

ALLIANCE CONSULTING

I N T E R N A T I O N A L

PARTNERS IN ENVIRONMENTAL AND OCCUPATIONAL HEALTH & SAFETY

## STATEMENT OF QUALIFICATIONS

ALLIANCE CONSULTING INTERNATIONAL

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## STATEMENT OF QUALIFICATIONS

### WHO ARE WE?

Alliance Consulting International (Alliance) is a professional consulting services firm providing expertise in environmental and occupational health and safety to U.S. and international clients. Building long-term relationships based on reliability, trust and personal service is our trademark.

### WHAT DO WE DO?

We work with a network of specialists, engineering firms, laboratories, and contacts in industry and government developed over the last 20 years of business in the U.S. and Mexico. Our experience ranges from working on individual short-term assignments to managing teams from initial strategic planning through project implementation. Alliance specializes in three main areas of practice, each with a number of services. These are:

- **Regulatory Compliance**
  - Environmental, Health and Safety Management System Audits
  - Greenhouse Gas Emission Reports and Verification
  - Regulatory Permitting for Air, Water, Hazardous Materials and Waste
- **Occupational Health and Safety**
  - Industrial Hygiene
  - Safety Compliance Programs
  - Indoor Environmental Quality Investigations
  - Safety Management Systems
  - Bilingual Training
- **Environmental Siting and Permitting**
  - Phase I and II Site Assessments
  - Environmental Impact Studies
  - Risk Assessments
  - Site Characterizations
  - Remedial Plans

We can also provide you with a more detailed description of our services at your request.

## WHO HIRES US?

We have worked with industrial, commercial, governmental and service organizations. Our industrial clients are involved in manufacturing, energy, pharmaceutical, chemical, petroleum, alternative fuels, mining, and automotive industries. Commercial clients include construction, real estate development, and retail companies. In the services sector we have worked with hospitals, hazardous waste facilities, engineering & consulting firms, non-profit organizations, and law firms. We have also worked for government agencies on both sides of the U. S.-Mexico border. Our international experience and knowledge of both the U. S. and Mexican regulatory, cultural and business environments translate into successful outcomes for clients with projects outside the U. S. Please contact us for a list of client companies and organizations.

## WHY DO THEY HIRE US?

What our clients want, and we try to deliver is:

- Experience
- Reliability
- Personal Attention
- Confidence
- Trust
- No Surprises

We will be glad to provide a list of references at your request.

## HOW DO YOU REACH US?

For additional information on our services and other questions, please contact us by telephone, fax or email. Please direct your request to:

Enrique Medina, MS, CIH  
President  
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# ENRIQUE MEDINA, MS, CIH

*ehs management system audits  
environmental compliance  
industrial hygiene & safety*

Mr. Medina is an environmental and occupational health and safety professional with extensive international experience. He has consulted for corporate and government clients in the United States, Puerto Rico and Mexico in the areas of environmental compliance, environmental health and safety (EHS) management system audits, indoor environmental quality, and occupational safety and health.

Mr. Medina is a board Certified Industrial Hygienist in comprehensive practice. He is a member of the American Industrial Hygiene Association, the American Board of Industrial Hygiene, and the American Society of Safety Engineers. He is President of Alliance Consulting International in San Diego, California.

## **EDUCATION**

San Diego State University: MS Biology, 1976

San Diego State University: BS Biology, 1973

## **REGISTRATIONS**

Certified Industrial Hygienist: American Board of Industrial Hygiene, 1995, No. 6952

Lead Verifier for Greenhouse Gas Emission Reports: California Air Resources Board, 2009, No. H-09-97

Certified Lead-in-Construction Inspector and Risk Assessor: California Department of Health Services, 1999, No. I-5472.

OSHA Construction Outreach Trainer for 10- and 30-hour Construction Safety, 2003-2007.

Hazardous Materials Management: Professional Certificate, UCSD, 1990

## **REPRESENTATIVE EXPERIENCE**

The following sections present selected highlights of Mr. Medina's professional expertise in the areas of EHS management system audits, environmental compliance, industrial hygiene and safety, indoor air quality, and site assessments and remedial investigations.

### **Environmental, Health & Safety (EHS) Management System Audits**

- Environmental and health and safety audits and Corrective Action Plans for manufacturing facilities in Indiana, Idaho, California, and New Hampshire as part of a corporate EHS management systems program. The audits encompassed air emissions, wastewater discharges, hazardous materials, hazardous waste, fire safety, and health and

safety requirements to evaluate compliance with federal, state and local regulatory requirements and corporate standards for each facility.

- Environmental and health and safety audits of five manufacturing facilities in Mexico and Puerto Rico for an international packaging products company to evaluate compliance with corporate Environmental and Safety Management Systems and federal and state regulatory requirements.
- Internal audit of a Southern California national aerospace research laboratory in preparation for a NASA safety audit. The assignment involved performing health and safety pre-audit inspections of the facility, and preparing inspection reports to assist facility OHS personnel meet federal and Cal/OSHA regulatory requirements.
- Environmental compliance audit at a defense-related manufacturing facility in California as part of a third party review for ISO 14000 certification. The scope included assessing the facility's compliance status with federal environmental laws and regulations, including SARA, Clean Water Act, Clean Air Act, RCRA, and state, and local rules.

## **Environmental Compliance**

- Project Manager for preparation of Program 3 level Risk Management Plans (RMP) at three energy cogeneration facilities under contract to a California environmental firm. Coordinated a multi-disciplinary team including process engineering and seismic evaluation, off-site consequence modeling, process safety management and regulatory compliance. The project team reviewed and updated complementary safety programs and plans. The RMPs complied with EPA and California's Accidental Release Prevention Program.
- Compliance evaluation of manufactured products for California Proposition 65 applicability. The scope of work included performing product evaluations of constituent materials and manufacturing practices, conducting exposure assessments for specific listed chemicals following OEHHA guidelines, providing recommendations on product labeling, and developing a Proposition 65 Applicability Evaluation Protocol decision matrix to guide the review process for new products.
- Preparation of Permits to Construct/Operate, Modifications, and Change of Conditions for process equipment and pollution control devices before the Southern California Air Quality Management District as part of an expansion of Client's adhesives manufacturing facility in Riverside County. The project included technical assistance with regulatory agency review to obtain the permits.
- Source Reduction Evaluation and Pollution Prevention Plan (SB 14), Performance Report, and Summary Progress Report preparation for a California electronics manufacturing facility pursuant to the Hazardous Waste Source Reduction and Management Review Act of 1989.
- Preparation of Storm Water Pollution Prevention Plans for power-generating facilities in San Diego and Riverside counties. The project included plan development, and training of facility employees to comply with requirements of general permit

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## **Enrique Medina, MS, CIH**

- Regulatory permitting and site assessment for a 500MW electrical power generating facility in Baja California, Mexico. The scope of work involved developing a comprehensive regulatory permitting matrix of energy, environmental and zoning requirements. Alliance conducted Phase 1 and 2 Environmental Site Assessments, participated in preparation and review of the Environmental Impact Manifest and Risk Assessment, and assisted client in negotiations with federal, state, and local agencies.

### **Industrial Hygiene and Safety**

- Development of a Methanol Safe Handling Manual for the Methanol Institute, the global trade association representing the methanol industry. Following Product Stewardship principles, the manual provides producers, distributors, and customers in the global supply chain with clear and detailed guidance on how to safely handle methanol. Topics include hazard identification, fire safety, safe handling practices, transportation, distribution, environmental protection, toxicity, physical and chemical properties, and international regulations.
- Fire Hazard Analysis of a 120 million gallon-per-year biodiesel manufacturing facility, tank farm and railroad and tank car unloading facility under construction in Nevada. The project involved conducting a process hazard analysis following standard practice for risk management plans and process safety management plans to identify possible release scenarios and fire risk, and preparing performance specifications for a fire suppression system design based on NFPA and International Fire Code standards.
- Air monitoring of workers in a variety of operations at a San Diego shipyard. The project involved monitoring welders for exposure to Chromium VI aerosols in MIG and TIG welding and plasma cutting, air monitoring for fiberglass in a wet-jet machining operation of fiberglass-reinforced plastics, and for volatile organic compounds and organic peroxides during the installation of composite flooring panels.
- Personal noise exposure assessment of meat cutters in a supermarket meat department as part of Worker's Compensation litigation in California. The assessment also included a general area noise survey to identify potential noise exposures.

### **Indoor Environmental Quality and Mold Assessments**

- Baseline Indoor Air Quality assessment of a new manufacturing building in San Diego County pursuing US Green Building Council's LEED certification. Although not performed for LEED credit, the baseline evaluation was conducted at initial occupancy to verify that the building met the LEED air quality criteria for New Construction.
- Mold investigation at a large California medical complex to investigate the causes of mold growth in the HVAC system, assess the potential health hazard posed to patients and employees, develop strategies for abatement, and prepare general remediation specifications. The multi-year project involved extensive air monitoring and surface testing for mold, and assisting infection control and facilities personnel to assess potential risk before, during and after the remediation period.

## **Site Assessments and Remedial Investigations**

- Phase 1 and Phase 2 Environmental Site Assessments at manufacturing facilities in California, Texas, Missouri, North Carolina, and Mexico for an international Client as part of acquisition due diligence process. The projects varied in scope and involved site visits to assess potential environmental liabilities, evaluating vapor intrusion potential from historic releases when appropriate, and conducting Phase 2 investigations, if needed. The reports listed Recognized Environmental Conditions following ASTM International's guidance, and also included Due Diligence Reports listing potential costs associated with identified RECs and related compliance issues.
- Oversight of clean up of an abandoned lead smelter located in Tijuana, Baja California, Mexico. The remedial design involved excavation and construction of a lined containment cell on the site, cement stabilization of 15,400 cubic meters of contaminated waste, and final liner and concrete capping. The scope involved independent oversight of the project on behalf of the local community to verify implementation of engineering measures and work practices by the contractor to prevent public health and environmental hazards. The project was successfully completed in 2008.

## **SELECTED PUBLICATIONS AND PRESENTATIONS**

Medina, E. and Medina-Cleghorn R. "Deconstructing Green: What Organizations Mean When They Say They're Going Green". The Synergist, June/July 2009. AIHA.

Zubieta, Ingrid., Brown, G., Cohen, R. and Medina E. "Cananea Copper Mine: An International Effort to Improve Hazardous Working Conditions in Mexico". International Journal of Occupational and Environmental Health: 2009; 15(1): 14-20.

Medina, E., 2007. "Vapor Intrusion: Environmental and IAQ Challenge". The Synergist, February & April 2007. AIHA.

## **PROFESSIONAL HISTORY**

Alliance Consulting International, President, 1998-present

Levine-Fricke de Mexico, Director of Operations, 1993-1998

Levine-Fricke-Recon, Senior Environmental Scientist, 1993-1998

Industrial Ecology International, Founder and Principal, 1990-1993

Consulting Health Services, Staff Industrial Hygienist, 1989-1993

Mar-Cal Seafood, Inc., President, 1984-1989

Royal Pacific Seafood, Inc., Sales Manager, 1982-1984

Natural Systems, Inc., Technical Manager, 1981-1982

Food and Nutrition Services, Project Director and Administrator, 1978-1980