

Michael D. Cardone

Field Manager

Experience

Mr. Cardone has been in the environmental consulting field since early 1988 and has performed a wide range of environmental sampling/monitoring including, but not limited to, ambient air monitoring, asbestos, lead, ground water, hazardous waste, industrial hygiene, noise, soil, stationary source emissions, waste water sampling, and laboratory analysis of many these sample types. His projects have included remodeling, repainting, seismic mitigation, rehabilitation of historic structures, movement of historic structures, soil remediation, UST removals and abandonments, and demolition of structures ranging from small support buildings to multi-story housing structures.

Proposed Responsibility

Field Manager

Education

1985-1988/Architectural Program,
University of Southern California

Registration

Certified Asbestos Consultant #01-3025

CDPH Lead-Related

Inspector/Assessor and Project
Monitor # I/M 5485

OSHA 40-Hour Hazardous Waste

Operations and Emergency

Response (HAZWOPER) Certified
with 8-hr Annual Refreshers

NIOSH 582-Sampling and Evaluating
Airborne Asbestos Dust
Certification

AHERA Certification

-Building Inspector

-Management Planner

-Contractor Supervisor

-Project Designer

Lead Training:

-NITON XRF Spectrum Analyzer
and Radiation Safety

Medically-approved and fit-tested
for use of respirator

DOJ/DOD fingerprinting clearance
for airports, military bases and
school districts

CPR & First Aid Trained

Community Emergency Response

Team (CERT) Volunteer - Huntington
Beach, CA

Joined Firm

2008

Years in the Industry

26

K-12

AHERA Surveys, Numerous Schools Throughout California.

Supervisor responsible for training and coordinating over 30 field technicians, managing asbestos laboratory, conducting surveys, assisting in report review and correction, personnel recruitment, and tracking to ensure completion of all work. Inspections were conducted in a wide range of school districts/unions from single schools to entire districts/unions and community colleges including the majority of San Bernardino and Riverside counties, The Los Angeles Archdiocese and Long Beach Unified School District (the third largest school district in California). All 40+ million SF of school facilities, representing over 10 percent of the K thru 12 schools in California, were surveyed and reported in less than one year.

Higher Education

University of Southern California, Campus-Wide Consulting, Los Angeles, CA

Project Staff. Performed numerous hazardous materials surveys, abandonment of USTs, awareness training for construction workers, project monitoring, and final reporting. These activities were performed in a wide variety of structures including single family residences, dorms, multi-unit apartments, laboratories, classrooms, athletic facilities, libraries, and theaters. The projects included renovations, seismic strengthening, and plumbing replacement projects involving hundreds of dorm rooms, fire/life/safety projects, relocation of structures, demolitions and rehabilitations. Several of these structures are eligible for registration as historic structures. A historic preservation award was received for work performed for the seismic repair, strengthening, and refurbishment of the main campus library built in the early 1930's and considered to be the "jewel of the campus".

University of Southern California School of Cinematic Arts, Los Angeles, CA

Primary on-site field technician and project manager during remediation of hazardous materials prior to the demolition of the former George Lucas Instructional Building. Materials remediated included hazardous materials issues including asbestos-containing materials, lead-based and lead-containing components, PCB ballasts and transformers, universal wastes, ozone depleting chemicals, electronic wastes, and elevator hydraulic fluids both in the units' tanks and the piston housings.

California Maritime Academy, TS Golden Bear, Vallejo, CA

Project Staff. Performed an indoor air quality assessment while the vessel was docked and as the ship began its summer voyage up to determine if conditions

were present while it is fully operational that could negatively impact air quality.

University Park Apartments, Northridge, CA

Field Staff. Performed the hazardous materials surveys of 15 of the active dormitory buildings. Surveys included a detailed inventory of asbestos-containing materials, lead-based paints, universal waste materials, E-waste materials, low-level radioactive materials and refrigerant gasses. Preparing bid documents and specifications for the abatement of asbestos-containing roofing materials and replacement of roof top boiler units on four of the dormitories.

San Bernardino Community College District, San Bernardino, CA.

Field Operations Manager for the team performing comprehensive hazardous materials surveys, contamination investigation, and abatement monitoring. Duties included coordination and training of field staff, performing surveys and on-site monitoring. Projects included decontamination of an administration building, and pre-demolition services for a media center and science buildings.

Seaver Science Building, Pomona Colleges, Pomona, CA.

Field Operations Manager. Provided the survey for hazardous materials prior to the demolition of all interior to the base structure and was the primary on-site technician during remediation of the identified hazardous materials. Hazardous materials remediated included: mercury, lead, asbestos, arsenic, chromium, hexavalent chromium, acids, caustics, volatile organics and semi-volatile organics.

Parkside Apartments, University of Southern California, Los Angeles, CA

Primary on-site technician responsible for air monitoring and contractor oversight during hazardous materials removal and demolition of a 82 Unit, 6-Story, Family Housing Structure utilizing a crane mounted wrecking ball. Hazardous materials abated prior to demolition, included asbestos and lead containing materials and finishes. Monitoring for nuisance dust and lead were also conducted during the structure's demolition to help insure the safety of a daycare facility immediately adjacent to this structure.

Doheny Memorial Library, University of Southern California, Los Angeles, CA

Primary on-site technician from initial exploratory work through abatement completion during the seismic mitigation and repair project of this historic facility. Duties included bulk sampling for asbestos, lead and heavy metals, oversight and air monitoring during abatement of these hazards as well as training and coordination of other trades' work to ensure their safety with regard to these contaminants.

UST In-Place Abandonment, Mudd Hall of Philosophy, University of Southern California, Los Angeles, CA

Primary on-site technician. Conducted monitoring, contractor oversight, and final visual inspection for cleaning operations of a 1500 gallon, fuel oil UST. All work was done with the UST in-situ, due to access difficulties and was subsequently filled with a cement slurry and abandoned in place. Access to the tanks interior was via the man way only.

UST Removal, North Science Building, University of Southern California, , Los Angeles, CA

Primary on-site technician. Conducted sampling, monitoring, and oversight during all phases of the removal of this 1500 gallon, fuel oil UST, from initial soil borings through removal of the tank. This tank was located below the central courtyard of the building which necessitated it's removal via a crane. Project difficulty was also increased due to the lack of soil compaction for the existing courtyard fill material.

Urban Renewal

Wilshire Boulevard Temple, Los Angeles, CA

Project Staff. Performed a comprehensive hazardous materials survey and developed hazardous materials bidding package, specification and comprehensive hazardous materials remediation drawings, while continuing to comply with the standards for the rehabilitation for historic structures. The exterior remediation was unique so we worked directly with the regulatory agencies, developed an exterior, open air removal process to assist in reducing the time to perform the abatement while meeting all regulatory requirements including written approval from the South Coast Air Quality Management District.

Sunset Media Center, Los Angeles, CA

Project Staff. Performed numerous hazardous materials surveys, abandonment of USTs, awareness Conducted daily observation, monitoring and documentation, pre-abatement and daily abatement visual inspections, daily air monitoring for asbestos abatement and daily on-site analysis of air samples, and Issued Clearance Speed Memos for each area of successful remediation.

Alameda Naval Air Station – FISC, Alameda, CA

Field Staff. Performed the investigation and re-design for a sub-surface UST, asbestos piping, air monitoring, air quality work plan generation, soil sampling, hazardous materials assessments, cost estimates, remediation/demolition/ deconstruction design, and remediation oversight management.

Demolition of 113, Multi-Unit, 2-Story, Apartment and Townhouse Structures for the Phase I, Redevelopment of the Former Alameda Naval Air Station East Housing Area, Alameda, CA.

Lead technician and project management duties during the abatement of all hazardous materials and subsequent demolition of all the structures on this site. Oversight and air monitoring activities were conducted during initial hazardous materials removal, paint film stabilization, and demolition of the structures with asbestos containing construction materials and lead containing/based coatings remaining in place during demolition. Oversight and clearance sampling was also conducted during the removal of organo-chlorine pesticide contaminated soil from below the footprint of each structure.

Hazardous Materials Survey and Generation of Hazardous Materials Abatement Specifications for the Redevelopment of the Former Alameda Naval Air Station EHA/FISC Areas, Alameda, CA.

Field Operations Manager. Conducted hazardous materials surveys, as part of the survey team, and wrote abatement specifications for 134 structures to be demolished as part of the Redevelopment of the Alameda Naval Air Station EHA/FISC areas. Structures included: 113, multi-unit, 2-story, apartment and townhouse structures, 9 large warehouses, 2 small warehouses, a former hospital, a former dental building, and 9 small support structures. The hazardous materials identified during these surveys included: organo-chlorine pesticides, PCB's, mercury, radioactive sources, asbestos, and lead. Phase I and II Site Assessments. Conducted numerous Phase I and several Phase II site assessments in Florida, Nevada and throughout California. Phase II work consisted primarily of hand auger sampling with some drill rig and flux testing as well. Sites included gas stations, development properties, hotels, office complexes, restaurants, dry cleaners and a parking lot.

PCB Contaminated Oil Remediation, AT&T Communications Center West Facility, Denver, CO

Project Staff. Directed remediation of PCB contaminated oil from four large dock, leveling pits, the associated hydraulic equipment, drain lines, sand pit and sump pit. Duties included: health and safety monitoring, waste streaming, clearance inspection and final sampling.

Indoor Air Quality Study, Occidental Corporate Headquarters, Westwood, CA

Project Staff. Conducted indoor air quality study throughout the high-rise structure. Contaminates tested for included: CO₂, O₂ and CO (Data logger); formaldehyde (Draeger Tube) and biological constituents (airborne and in HVAC condensate pans).

Federal

Naval Air Field-Buildings 409 & 484, El Centro, CA

Project Staff. Performed numerous hazardous materials surveys, abandonment of USTs, awareness Managed and performed the comprehensive pre-demolition hazardous materials survey and worked closely with the abatement and demolition contractors to determine the most efficient and cost effective ways to safely remove and dispose of the hazardous materials identified.

Naval Base Ventura, Ventura, CA

Project Staff. Performed numerous hazardous materials surveys, abandonment of USTs, awareness Performed for the demolition and hazardous materials abatement for 33 structures. Work included the preparation of demolition plans and utility disconnection points and oversight and monitoring of the abatement of hazardous materials from each of the facilities.

Homestead Water Well Sampling, Destruction and Closure, Edwards Air Force Base, CA.

Project Staff. Assisted in the sampling, destruction and closure of approximately 90 water wells across the base in both Los Angeles and Kern counties. Well destruction was conducted in biologically, historically and militarily sensitive areas as well as on the bombing range. Activities included sampling of the well to determine if hazardous materials requiring remediation were present in well air monitoring prior to and during destruction, removal of well casing and sealing of well cavity. Groundwater monitoring wells were also installed as part of this project near contaminated well sites.

Asbestos and Lead Based Paint Survey, Davis Monthan Air Force Base Hospital, Tucson AZ

Project Staff. Conducted solo surveys for asbestos and lead based paint for the entire base hospital complex and associated boiler plant, including mapping of all insulated pipe runs. Complex included a central original building with several later major additions.

Civic

Corona Regional Medical Center Seismic Retrofit, Corona, CA

Field Staff. Performed hazardous materials surveys of the impacted areas, developed a detailed approach to working within an occupied and operational hospital, and then providing continual support via contractor observation and monitoring services for the seismic retrofit as part of regulatory compliance for hospital safety. AHERA Surveys, Numerous Schools Throughout California. Supervisor responsible for training and coordinating over 30 field technicians, managing asbestos laboratory, conducting surveys, assisting in report review and correction, personnel recruitment, and tracking to ensure completion of all work. Inspections were conducted in a wide range of school districts/unions from single schools to entire districts/unions and community colleges including the majority of San Bernardino and Riverside counties, The Los Angeles Archdiocese and Long Beach Unified School District (the third largest school district in California). All 40+ million SF of school facilities, representing over 10 percent of the K thru 12 schools in California, were surveyed and reported in less than one year.

Chemical Hygiene Plan Compliance Surveys and Testing, VA Hospital Campus, Westwood, CA

Field Staff. Conducted surveys and monitoring to insure compliance with the comprehensive chemical hygiene plan throughout the entire campus. This campus includes a large hospital and numerous research and housing facilities for both the infirm and mentally handicapped. Research areas included biological, radioactive, inorganic and organic chemistry laboratories. Duties also included inspection for and issuing of hot work permits as well as confined space issues.

Industrial Hygiene Monitoring.

Field Staff. Conducted numerous monitoring projects throughout Southern California. Hazards tested for included, but were not limited to, noise, nicotine, multi-metals, dust, asbestos, lead, mercury, arsenic, styrene, chlorpyrophos, formaldehyde, PAH's and numerous volatile and semi volatile organics. Work was conducted in a wide range of facilities such as cargo container movers, movie sets, television sets, television production offices, hospitals, medical buildings, manufacturing plants, bulk terminals, paint booths, State of California, Maximum Security Prison-Lancaster and back stage for the American Music Awards.

Cal DHS Certified Mobile Soil and Water Laboratory Analyst, Various Locations in California

Field Staff. Served as primary operator of a Cal DHS certified mobile soil and water analytical laboratory. Conducted on-site, instrumental analysis of samples collected from sites suspected or known to be contaminated with various petroleum hydrocarbons. Analyses were conducted through all phases of subsurface investigation and remediation, and during petroleum UST removal.

Stationary Source Emissions Testing, Numerous Facilities Across the United States

Field Staff. Served as technician conducting emissions compliance testing and relative accuracy test audits in a wide range of facilities including refineries, land fills, military facilities, bulk petroleum terminals, petroleum storage facilities, the Jonathan Club, hazardous waste treatment facilities, sewage treatment plants, Disneyland, UC Berkley and various other industrial facilities. Duties included conducting both manual and continuous instrumental testing, relative accuracy test audits, laboratory analysis, reagent preparation, final report preparation, and equipment calibration, design and repair. Equipment testing included boilers, paint booths,

rotary kilns, barges, internal combustion engines, flares, scrubbers, land fill gas collection systems, bag-houses, co-generation plants, military critical operations power plants, submarines and a helicopter air intake system. Conducted sampling and laboratory analysis prior to, during and for completion of numerous petroleum AST degassing operations.