

Laura A. Tanaka, CAC, Lead Certified

Principal Environmental Scientist

Ms. Tanaka has 29 years of wide ranging and diverse experience in environmental consulting and management. Ms. Tanaka's experience includes:

- Phase I and II Environmental Site Assessments – Ms. Tanaka has completed and/or supervised thousands of Phase I and II pre-acquisition site assessments in CA, AZ, OR, NM and WA. Properties assessed have included residential, commercial and industrial uses, as well as undeveloped land consisting of hundreds to thousands of acres.
- Preliminary Endangerment Assessments – Generated scoping documents, completed field work, and report generation for various PEAs. In addition, Ms. Tanaka has also provided project management and field support for Supplemental Site Investigations and Removal Action Workplans for local school districts
- Asbestos, Lead-base Paint, & Mold Services – She has performed surveys and abatement monitoring services for municipalities, financial institutions, property management companies, school districts, and the U.S. Navy. Ms. Tanaka has also conducted asbestos and mold awareness training classes.
- Third Party Reviews & Consultation – Ms. Tanaka routinely reviews documents/reports for clients, and provides comments on the appropriateness of the due diligence and recommendations.
- Project Management – Experienced managing projects that have timeframes as little as two days to as long as four to five years. Also includes responding to emergency projects.
- Other experience includes hazardous material audits, completing business plans, SCAQMD permitting, supervising hazardous material pickups and maintaining hazardous materials databases.
- Regulatory Agency Experience – Ms. Tanaka has project management experience working with regulatory agencies which include the Department of Toxic Substances Control, Regional Water Quality Control Boards, Air Pollution Control Districts including the South Coast Air Quality Management District, as well as local county agencies such as the Orange County Health Care Agency and Los Angeles County, Department of Public Works, and agencies located in central and northern California.

Ms. Tanaka was instrumental in the development of the Converse's standard report and proposal formats for Phase I and II ESAs, Transaction Screens, Asbestos, Lead, and Fungal assessments, which has been implemented throughout the corporation. Ms. Tanaka also developed and implemented the use of various report checklists and spreadsheets for consistency in the QA/QC report review process and project budgeting. Ms. Tanaka is currently responsible for the day to day activities of the Costa Mesa environmental office and she is also the client manager of some of Converse's established public and private clients.

EDUCATION

- BS, Biology, California State Polytechnic University, Pomona, 1987

REGISTRATIONS/CERTIFICATIONS

- Cal/OSHA Asbestos Consultant, No. 11-4708
- CDPH Lead Inspector/Assessor, Project Monitor, and Designer, No. 3086
- Manufacturer's Certification in the use of the RMD, EDAX, and Niton XRF devices
- 40- Hour OSHA Safety Training
- 8- Hour OSHA Supervisor Training

AFFILIATIONS

- Commercial Real Estate Women- Orange County

AREAS OF EXPERTISE

- Phase I and Phase II Environmental Site Assessments
- Asbestos, Lead-Based Paint, Mold Surveys, Fungal and IAQ
- Preliminary Endangerment Assessments
- Removal Action Workplans
- Hazardous Materials Management
- Health and Safety Compliance
- Indoor Air Quality
- Permitting and Regulatory Compliance
- Consultation

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Relevant Experience

Ms. Tanaka's client base and associated management skills are diverse and include:

- Local Municipalities – cities and counties
- School Districts; Public and Private Colleges
- Financial Institutions
- Transportation Agencies
- Real Estate Developers and Management Companies
- Utilities and Transportation Authorities
- Aerospace Industry
- Private Property Owners

Phase I and II Environmental Site Assessments

Ms. Tanaka has conducted and managed thousands of Phase I and II Environmental Site Assessments (ESAs), and Transaction Screen Process (TSP) reports for a variety of clients and properties. She has assessed a variety of properties, including agricultural, residential, commercial, and industrial properties. Properties under assessment have been located in various counties in California from Sacramento County to San Diego County. Ms. Tanaka has also completed assessments and audits in the states of Arizona, Oregon, New Mexico, and Washington. Ms. Tanaka's Phase I and II experience includes:

- Completed and managed Phase I ESAs on residential and light industrial properties for inclusion in an Environmental Impact Report regarding a master development plan for a private university.
- Properties assessed have included parcels as small as temporary construction easements to undeveloped land as large as 3,000 acres. Unique properties that have been assessed by Ms. Tanaka have included a football stadium for a private university in the city of Los Angeles; a research facility and residential complex on an island off the coast of California; an art museum in the city of Pasadena; and a lake in San Bernardino County.
- Corridor and area studies for transportation authorities, municipalities and a private university. Ms. Tanaka has assessed over 100 miles of corridors for utility and transportation planning including Metro Rail Red Line, Metropolitan Water District Inland Feeder Project and Reclaimed Water Pipeline, and "Rails to Trails" projects. She has also assessed over 3-miles of a railroad alignment and easements in Orange County, and multiple city blocks occupied by residential and commercial properties and medical facilities/hospitals. Subsequent Phase II activities identified elevated levels of total petroleum hydrocarbons and metals in the soil along the railroad alignment due to historical property uses. Subsequent remedial efforts have included the excavation and disposal of arsenic and lead impacted soil, as well as asbestos debris.
- Management experience has included identification and assessment of historical dump areas (including burn-ash), abandoned oil wells, historical agricultural uses, historical underground storage tanks, dry cleaning facilities and industrial uses. In addition to drilling and sampling experience, Ms. Tanaka's Phase II work has also included the management of geophysical surveys to locate utilities, oil wells and underground storage tanks. Ms. Tanaka's Phase II experience includes the generation of proposals which comply with DTSC PEA sampling protocols; drilling and sampling soil and groundwater and soil gas surveys using tracer gases. Chemicals of concern that have been assessed include hydrocarbons, solvents and other volatile organic compounds, semi-volatile compounds, metals including hexavalent chromium, PCBs, and asbestos.

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Asbestos, Lead-base Paint, PCB, Mold Surveys, and IAQ

Ms. Tanaka has conducted and managed numerous projects, surveys and abatement monitoring services for asbestos, LBP, mold, sewer gas and Indoor Air Quality (IAQ) parameters.

Surveys were generally conducted prior to renovation and demolition activities, or prior to acquisition of the properties. Ms. Tanaka has experience in both destructive and non-destructive sampling methods and has experience surveying:

- Single-family Residential Dwellings
- Historical Buildings
- Airport Facilities
- Parks and Recreation Facilities
- Industrial Structures and Complexes
- Military Bases
- Multi-family Residential Complexes
- Hospital and Medical Facilities
- Detention Facilities and Sheriff Stations
- Commercial/Retail Structures
- Shopping Centers
- School Campuses, University Buildings

Ms. Tanaka has experience in conducting AHERA surveys for schools. Her experience includes conducting the initial surveys, 3-year Re-inspections and generating Operation and Maintenance Plans and Management Plans.

Ms. Tanaka has conducted LBP surveys using Converse's portable XRF devices as well as the collection of bulk paint chip samples. The surveys she has conducted have taken as little as four hours to one week to complete and are typically conducted in general conformance with the Housing and Urban Development (HUD) Title X Guidelines. Ms. Tanaka has conducted HUD surveys and risk assessments, which have also included the collection of soil and dust samples.

Ms. Tanaka has conducted abatement monitoring services for both public and private clients. Subsequent services completed by Ms. Tanaka have included:

- Generation of abatement specifications. Specifications have included detailed documents in accordance with client specification outlines as well as simplified versions.
- Conducting pre-bid walks for abatement contractors.
- Reviewing abatement contractor submittal packages prior to the commencement of abatement activities. Ms. Tanaka has routinely reviewed the documents for completeness and compliance with abatement specifications and appropriate work practice procedures.
- Conducting abatement monitoring services including clearance sampling for asbestos, lead, and fungal spores.
- Generation of abatement close out reports per client specified formats.

Ms. Tanaka also has experience generating SCAQMD Procedure 5 Workplans and emergency notification letters on behalf of property owners. Examples of Procedure 5 Workplans generated by Ms. Tanaka has included buried transite pipes at a construction site, asbestos debris along a railroad track, and a collapsed roofing system.

Ms. Tanaka has experience with bulk sampling of suspect caulking materials for polychlorinated biphenyl (PCB) content. Sampling has occurred in various county community buildings and hospitals; all of which were undergoing renovation activities. Both interior and exterior caulking materials have been sampled by Ms. Tanaka.

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Ms. Tanaka's IAQ assessments and sampling experience has pertained primarily to commercial buildings and hospital settings. Her experience relates to sewer gas odors, sewer water, dust and airborne particulates, and general IAQ parameters. Sampling has been conducted over time frames as short as one working day to a timeframe of two weeks. Ms. Tanaka has experience with various IAQ sampling equipment which has the capability of data logging over a long timeframe. Examples of projects include:

- Broken fire sprinkler lines in a retail store.
- Clogged plumbing systems which impacted restrooms and exterior fountains at a shopping center.
- Sewer and plumbing issues at day care facilities.
- Unknown odors in a hospital and an office building.
- Monitoring for ultra-fine particles in critical areas of a hospital.

Preliminary Endangerment Assessments

Completed and managed multiple Preliminary Endangerment Assessments (PEA) and PEA Equivalents for a local school district. Work completed has included the completion of Phase I ESAs, which were expanded to include aspects of a Background section of a PEA, as well as focused soil sampling in areas of concern. Work has also included the generation of PEA Workplan documents, Conceptual Site Models, and final PEA documents/reports. Additional activities involved in the PEA process completed by Ms. Tanaka have included the generation of PEA cost estimate proposals, attending DTSC scoping meetings, preparation of the Public Participation documents, and final document generation. "No Further Action" has been received from the DTSC on several PEA documents completed for the client.

In addition to PEAs, Ms. Tanaka has completed and managed Supplemental Site Investigations (SSIs) for local school districts. The SSIs have included soil gas sampling for methane due to undocumented fill material being used as backfill material on-site, and soil sampling for residual lead and organochlorine pesticides due to historical residential and agricultural uses. Subsequent work included the submittal of Remedial Action Workplans (RAWs) for both SSIs to the Department of Toxic Substances Control.

Other Environmental Work

In addition to the experience identified above, Ms. Tanaka also has experience conducting hazardous material audits and business plans, biennial reports, AQMD permitting, and underground storage tank permitting. Ms. Tanaka also maintains databases for clients pertaining to hazardous waste generation and the tracking of hazardous waste manifests.

Ms. Tanaka also has experience providing project management for a landfill gas monitoring project in Los Angeles County. The project requires monthly, quarterly and annual activities in operation monitoring and maintenance of a network of extraction wells and an active carbon treatment system.