efi global

# Robert Gates, CSST, LIA, NIOSH 582 Equivalent | Senior Project Manager

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## Professional Summary:

Robert Gates is an experienced environmental professional recognized by the state of California Department and of Public Health (CDPH), Lead Inspector/Risk Assessor (LIA) and the Division of Occupational Safety and Health (DOSH) as a certified site surveillance technician (CSST). Mr. Gates has over 10 years' experience working with clients and regulatory bodies to assess environmental conditions, developed plans to remove identified hazards, executed building surveys in accordance with regulatory standards, oversaw the removal of hazardous materials, performed clearance inspections of abatement work areas, and wrote final reports summarizing the project's activities. Mr. Gates's experience includes air indoor quality inspections, construction monitoring for noise and dust, and sampling for asbestos, lead, and other environmental hazards as well as regularly providing third party consulting services on behalf of private parties, and public agencies. Mr. Gates has become very well versed with the aviation work, safety, and environmental protocols, specifically at Los Angeles World Airports.

- Performing indoor air quality assessments including lead, asbestos, and mold
- Interaction with various government agencies including SCAQMD and OSHA
- Performing contractor supervision throughout the abatement process
- Performing building surveys for hazardous materials

## Licenses and Certifications:

State of California Division of Occupational Safety and Health, Certified Site Surveillance Technician No.: 15-5508

State of California Department of Public Health, Certified Lead Inspector/Assessor No.:

LRC-00012895

NIOSH 582 Equivalent, Airborne Asbestos Fiber Analysis via Optical Microscopy

OSHA 40-Hour Hazardous Waster Operations & Emergency Response Training

OSHA 30-Hour Construction Safety

## Project Experience:

**Los Angeles World Airports, Delta Air Lines/Hensel Phelps, Hazardous Materials Management Services, Los Angeles, CA 2019 – 2024**
Delta Airlines embarked on a $2.3 billion modernization of its Los Angeles International Airport facilities to design and renovate gate areas, support space and other amenities for passengers; upgrade the baggage handling systems in the terminals; and the relocation airlines that were previously located in Terminals 2 and 3.

Mr. Gates provided project management and coordinated with Hensel Phelps and subcontractors regarding industrial hygiene concerns and hazardous material assessments during the Delta Air Line Skyway Project. Both terminals required extensive renovations and partial demolition, and EFI provided comprehensive Pre-Demolition Hazardous Materials

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Assessments of both Terminals. EFI Global also provided extensive around the clock daily air monitoring for a couple years in areas that were adjacent to public and tenant occupied spaces. Air monitoring in areas open to other trades, tenants and the general public were conducted during abatement, demolition and construction activities. The scope of the industrial hygiene air monitoring services during this project included sampling for total particulates, respirable crystalline silica, volatile organic compounds, welding fumes, lead, asbestos, PCBs, mold and bacteria. The development of numerous South Coast Air Quality Management District (SCAQMD) Procedure 5 workplans were necessary to address areas where asbestos disturbance/contamination were discovered or below grade abatement would be required. The EFI Global team provided a quick response with close contractor oversight to ensure regulatory compliance and tight project schedules were adhered to. EFI Global also conducted soil sampling for potential hydrocarbon, metals and solvent contamination beneath airfield tarmac prior to excavation activities for purposes of building footings, underground jet-fuel pipeline or tank removal and relocation.

Close coordination with the construction management team and other stakeholders over a significant period was required to ensure successful completion of various phases of this large and complex project. Several unique challenges were encountered and overcome throughout this project including the management of dozens of change orders, coordination with multiple project management teams and providing around-the-clock staffing. Much of the initial hazardous materials assessment was performed on double-shifts and off-hours as work areas became accessible. Furthermore, strict airport security measures were always in effect, including security clearances and registration for staff, inventory tracking of tools in controlled areas, and compliance with airport and FAA security requirements.

**Housing Authority of the City of Los Angeles, Jordan Downs Redevelopment Project**
Mr. Gates performed on-call environmental services to support the demolition and redevelopment of public housing complexes within the Jordan Downs Housing Community in Los Angeles, California. Recent services provided by EFI have included performing lead and asbestos surveys and lead/asbestos abatement direction and monitoring during demolition for six phases of the project in areas which are inclusive of 36 multi-family residential structures and a community center. Pre demolition surveys were initially performed in each area by EFI certified technicians. The surveys included reviewing client-provided building records and/or previous investigation records, visually identifying homogeneous sample areas, collecting bulk samples of suspect asbestos-containing materials (ACM), recording the friability and condition of suspect ACM, collecting X-Ray Fluorescence (XRF) measurements to test painted and coated surfaces for lead-based paint (LBP), interpreting laboratory results and producing a written report of findings and recommendations. EFI also performed asbestos abatement monitoring and LBP stabilization monitoring during demolition of all buildings. EFI Global prepared the abatement specifications and worked with the abatement contractor to remove hazardous materials from the structures prior to complete demotion.

Abatement monitoring activities involved the collection of perimeter lead air and asbestos air samples, observation of the contractor work practices, and the verification of agency notifications and worker certifications. Clearance activities involved a visual inspection of the regulated work areas after the materials were properly abated, stabilized, cleaned, and granted a visual clearance. Respirable particulate matter (PM10) perimeter air monitoring was also performed while the buildings were being demolished. All regulated work areas were cleared, both visually and through laboratory analysis, before being released to other contractors. Data collected from abatement and perimeter air monitoring was compiled and submitted to the client in a Close-out Summary Report.

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**Los Angeles World Airports, LINXS, Automated People Mover Station 3 & 4**
Mr. Gates aided LINXS, the general contractor building the automated people mover (APM system at LAX and their remediation subcontractor, Matrix Environmental, following multiple heavy rain events impacting a six-story train station currently under construction. The contractor required multiple comprehensive assessments following various rain events, direction regarding impacted materials and post remediation verification assessments to provide LAWA with proof that the impacts have been properly addressed. EFI Global provided comprehensive remediation protocols following assessments and significant destructive investigation of areas suspected to have been impacted. The assessments included the use of FLIR infrared cameras and moisture meters to locate impacted materials as well as color coded structural plans that were marked up in the field on iPads to provide the contractor with rapid direction. Due to the unanticipated impact repeated water losses had on the project schedule, Matrix had multiple crews working around the clock to correct the issues and EFI had a dedicated team to provide rapid site inspections to release the work area to other trades. This project had some evolving challenges, due in part to multiple rain events that followed the first phase of remediation due to design implementation challenges associated with the roofing system.

## Professional Experience:

EFI, Sr. Project Manager, 2022 – Present
EFI, Project Manager, 2018 – Present
EFI, Sr. Environmental Technician, – 2016 – 2018
Andersen Environmental, Sr. Environmental Technician, 2014 – 2016

## Education:

Bachelor of Science, Geology, California State University of Dominguez Hills, Carson, CA, 2012

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