



**Engineering &
Environmental**
CONSTRUCTION

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DECONTAMINATION, DEMOLITION, RESURFACE

CASE STUDY

PROJECT OVERVIEW

Project Name: Chromium Paint Booth Demolition

Location: Aerospace Facility

Job Type: Decontaminate, Demolition, Resurface

DESCRIPTION

E&E was contracted to demolish two large, commercial paint booths. The booths were previously used to paint large aircraft parts. The paint used to coat the parts consisted mainly of Chromium 6, a carcinogen. Special care was taken to safely decontaminate all affected surfaces prior to demolition of the booths. E&E repaired all roof penetrations left from the demolished paint booth stacks and filtrations systems. Finally, the concrete beneath the booths was backfilled and resurfaced with 5000 psi concrete.



MAIN TASKS

- Decontaminate all areas prior to demo of structure.
- Isolate, remove or relocate surrounding utilities and utilities related to the paint booth.
- Erection of plastic sheet barriers and dust monitoring during demolition.
- Utilities locked out, tagged out, removed or relocated.
- Demolish structures including exhaust stacks and roof structures.
- Backfill, install rebar, and concrete re-surfacing.



CHALLENGES

Safety – The larger paint booth had to be demolished in a working area of the main building of the facility. Special care had to be taken to protect the surrounding workers. Plastic sheeting and strict dust monitoring were implemented throughout the project to ensure on-going production was not interrupted.

INTERESTING POINTS

E&E repurposed the main structure of a booth to decontaminate other structural components of the booths. This reuse allowed E&E to better control dust dispersion throughout the duration of the project.

ABOUT E&E CONSTRUCTION

Engineering and Environmental Construction (E&E) was founded in 2006 with a primary focus on the installation of environmental remediation systems. Over the years, we've continually expanded our skill-sets to become one of the industry's leading purveyors of full-service construction services – both within the environmental industry and in general construction. Today, we are proud to offer a wide range of highly specialized environmental engineering capabilities and a full-suite of general construction services to support our clients' ever-evolving needs.



STATEMENT OF QUALIFICATIONS

Engineering and Environmental Construction, Inc (E&E) is a privately held corporation established in 2006. E&E's main construction offices are based in Huntington Beach, CA. We are licensed to conduct operations throughout California, Arizona, Nevada, and Washington.

Contractor Licenses and Certifications Include (but aren't limited to):

- Class A General Engineering License
- B General Building License
- C-10 Electrical License
- C-36 Plumbing License
- Hazardous Substances Removal License
- Annual OSHA Excavation & Trenching Certification
- Remedial Action Certification
- SCAQMD Rule 1166 – Various Locations Permit

E&E is recognized as an SBE with many entities, such as the DGS, and we are also pre-cleared by Homeland Security for access to ports and military installations. We maintain a Zero Incident Safety Record and a 0.78 Experience Modification Rate (EMR), among other H&S recognitions.

CONTACT US

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