

MARRANGAROO ARMY DEPOT

BBN Consulting provided occupational hygiene monitoring during removal of lead based paint from buildings at Defence Establishment Marrangaroo, a WWII-era ammunition storage and distribution facility in the Blue Mountains region.

The project required monitoring of airborne lead concentrations during removal works to confirm worker exposure levels remained below regulatory limits and that containment controls effectively prevented migration beyond the work zone.

01. PROJECT CONSIDERATIONS

- » Historic Defence depot with legacy contamination risks
Lead based paint systems common to WWII-era buildings
- » Remote regional location requiring efficient sample logistics
- » Requirement to protect other depot personnel operating nearby

02. VALUE DELIVERED

- » Personal exposure monitoring confirmed worker exposures remained below regulatory limits
- » Boundary monitoring demonstrated effective containment with no migration beyond work zones
- » Clearance sampling enabled prompt reoccupation of buildings
- » Rapid laboratory analysis avoided delays to the Defence maintenance program

03. OUR APPROACH

BBN conducted personal breathing zone monitoring for workers performing lead risk work, alongside boundary monitoring at regulated work zones to verify containment effectiveness. Post removal clearance monitoring and surface dust sampling were undertaken to confirm compliance with AS/NZS 4361.1 and Safe Work Australia exposure standards before buildings were returned to service.



VALUE

\$25K

LOCATION

LITHGOW
NSW

SERVICES

- » LEAD PAINT REMOVAL MONITORING
- » PERSONAL EXPOSURE MONITORING
- » BOUNDARY MONITORING
- » CLEARANCE MONITORING
- » SURFACE DUST SAMPLING