

HYER STANDARDS

Air Quality Protection

The Hansen Yuncken HYer Standards provide guidance on the minimum level of compliance expected for high risk activities on all projects.

Common Air Contaminants



- Common pollutants that can arise during construction/demolition include:
 - Particulate Matter (PM10, PM2.5): Dust and small particles typically generated by ground works, demolition, and material handling
 - Volatile Organic Compounds (VOCs): Vapours emitted from products such as paints, solvents, and adhesives, which can be disturbed during demolition activities
 - Ozone-Depleting Substances (ODS): Released from equipment such as air conditioners, refrigerators, or foam/insulation
 - Polychlorinated Biphenyls (PCBs): Released from light fittings & electrical equipment manufactured prior to 1975
 - Nitrogen Dioxide (NO2), Carbon Monoxide (CO), Sulphur Dioxide (SO2): Emissions from fuel-consuming plant, equipment, vehicles

Planning, Consultation, and Documentation

Environmental Management Plan

Project: <Insert project name>
 Job No: PJ12345 - <mmm yyyy>

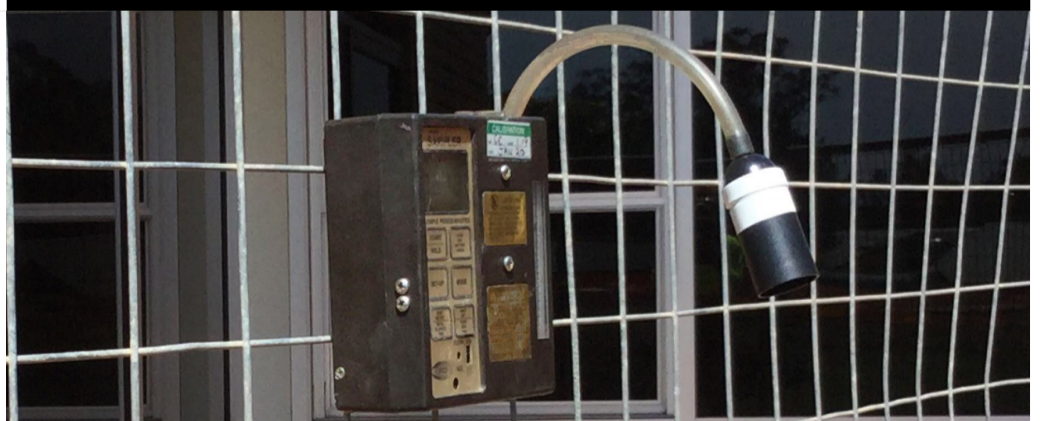
- Ensure the project Environmental Management Plan documents any specific contract conditions, DA conditions, or local/jurisdictional legislative requirements and identifies project-specific hazards related to air quality and dust control
- Consult with workers, HSRs, and if required, environmental Subject Matter Experts (SMEs) and local authorities to determine suitable controls
- Communicate with the client, nearby tenants/occupants, and the community about project activities and potential air quality impacts

Air Pollution Prevention and Control



- Implement controls to prevent pollutants from leaving the worksite, impacting ambient air quality, and local waterways
- Consider weather conditions, including wind speed and direction, when planning and executing tasks
- Minimise disturbance and soil and generation of dust, debris, and similar materials during construction and demolition activities to control particulate matter
- Organisations responsible for the safe handling, removal, and disposal of ODS-containing equipment, including degassing, must hold a Restricted Refrigerant Trading Authorisation (RRTA) licence

Air Quality Measuring and Monitoring



- Engage with suitable Subject Matter Experts such as qualified Occupational Hygienist to determine methods for measuring/monitoring adhering to the AS/NZS 3580 series
- Employ real-time monitoring devices to detect pollutant levels promptly and continuously
- NATA-accredited laboratories must analyse and validate monitoring data
- Utilise local air quality tracking systems to assess hazards like bushfire smoke and adjust controls as necessary
- Retain air monitoring results and post results on the Site Noticeboard.
- Ensure monitoring equipment is maintained and calibrated regularly



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**AIR QUALITY PROTECTION
 PROCEDURE**