



## ASBESTOS IN SOILS

Asbestos in soils usually occurs due to incomplete or poor demolition practices of pre-1990s buildings, use of fill materials containing asbestos for levelling properties, or illegally dumped waste containing asbestos.

Councils are required to assess the potential for contamination at a property when assessing development applications (DA).

A request for an assessment of asbestos in soils as part of the DA process usually occurs when:

- Council have inspected a property and observed suspected asbestos on the ground surface (i.e. fibro pieces).
- Council have knowledge of potential asbestos contamination occurring at a property, such as a fire that has damaged buildings containing asbestos or fill potentially containing asbestos has been placed at the property (sometimes decades prior).

For these reasons, appropriate assessment of asbestos in soils is required to determine the type and extent of the asbestos. The outcomes of a soil assessment determine the need, extent and type of soil remediation required to address the asbestos-contaminated soils.

Metech Consulting have extensive experience in the assessment and management of asbestos in soils and asbestos contamination issues.

### Our Services:

- **Technical Advice** on how to address your site-specific issues and regulatory requirements.
- **Site Assessment** Application of NSW EPA endorsed assessment methodologies to assess the presence, location and extent of asbestos-in-soil contamination and develop management strategies.
- **Remediation and Validation:** Application of NSW EPA-endorsed remediation methodologies and provision of validation reports to certify that the asbestos contamination risk has been managed and the site is suitable for the proposed use.
- **Asbestos Clearance Certificates** when asbestos is removed, asbestos clearance certificates provide certainty that an area is safe for reoccupation.
- **Asbestos Air Monitoring** during asbestos removal works in accordance with the NOHSC *Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Fibres 2nd Edition (2005)*.

- ◆ **Waste Classification** to characterise material for off-site disposal or reuse in accordance with NSW EPA *Waste Classification Guidelines* (2014). Refer to *Waste Classification* summary for further details.
- ◆ **Imported Material Assessment & Management** to ensure soils proposed for importation do not contain asbestos and or any identified asbestos-containing materials are appropriately managed.

#### Our Projects

- ◆ **Remediation & Validation, Warrawong NSW:** Design and implementation of a remediation strategy to remediate a 2 hectare property subject to extensive illegally dumping of asbestos materials. The remediation strategy comprised a mix of targeted removal, *in-situ* quantification assessment and partial encapsulation into the overall design of the residential subdivision. Remediation strategy was prepared in consultation with and endorsed by key stakeholders, including the NSW EPA-accredited Site Auditor and Wollongong City Council.
- ◆ **Site Assessment, Remediation & Validation, Silverdale NSW:** Detailed Site Investigation identified asbestos in soils from poor demolition practices of former buildings. Metech designed and implemented an asbestos assessment and remediation program to remediate the site to a commercial / industrial standard.
- ◆ **Site Assessment and Remedial Strategy, Maianbar NSW:** Detailed Site Investigation identified asbestos in soils from poor demolition practices of a previous residential dwelling. Metech designed a remedial strategy and prepared the remediation action plan (RAP) to support the client's development application.

- ◆ **James Hardie Legacy Asbestos Program, Western Sydney NSW:** Metech provided technical expertise and support to NSW Environment Protection Authority (EPA) for the NSW government funded James Hardie Legacy Asbestos program. The program included asbestos sampling and remediation for residential properties affected by asbestos containing fill materials supplied by James Hardie in the 1960s and 1970s.

Metech Consulting comprises a team of industry-leading experts in the field of contaminated land, including Certified Environmental Practitioners (CEnvP) supported by our in-house NSW EPA-accredited Site Auditor, offering a full range of contamination assessment and management services.

We partner with industry-leading asbestos removalists and occupational hygienists to ensure our clients' receive the best value for money along with best practice site-specific solutions.

Our clients range from individuals, families and small business owners seeking development approval for construction / modification of residential properties, to property developers, councils, state government agencies (Transport for NSW, Rail Corporation NSW) and industrial corporations including Transurban, Bluescope and cBus.

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*For more information or advice on how we can help you, please contact us to discuss or to obtain a no obligation proposal.*

