

CONTAMINATED LAND

OUR WORK
FOLLOWS THE
APPROPRIATE
LEGISLATION,
NATIONAL
ENVIRONMENTAL
PROTECTION
MEASURE (NEPM)
GUIDELINES AND
AUSTRALIAN
STANDARDS

EXPERT SERVICES ONLINE SOLUTIONS TRAINING

Asbestos / Hazardous Materials
Occupational Hygiene
Property Risk
Work Health & Safety
Environmental Management
Contaminated Land
Emergency Management

Greencap has extensive experience in managing contaminated land in Australia and New Zealand, and we are experts in the investigation and remediation of a wide variety of contaminants including solvents, heavy metals, hydrocarbons and PFAS.

Greencap provides the full spectrum of contaminated land management services and works in partnership with clients to find cost effective and practical solutions to contaminated land issues. Our team of scientists, hydrogeologists and engineers is highly experienced and diverse in their skill sets, allowing us to provide solutions tailored to clients' specific needs.

Our advice is centred around a risk-based approach to contaminated land issues and our clients benefit from our extensive experience in working with stakeholders, including regulators, clients and the community. This enables us to find solutions that both protect the environment and take account of the commercial realities inherent in acquisitions, divestments, portfolio management and development projects.

Greencap services include:

- Acid sulphate soil monitoring and assessment
- Asbestos in soil assessment
- Environmental site assessments (preliminary and detailed site investigations)
- Human health risk assessment
- Groundwater monitoring and assessment
- Groundwater modelling
- Landfill gas monitoring
- Remediation action planning

Environmental Site Assessment

Soil and groundwater assessments form an integral part of risk management and regulatory compliance for sites with a history of chemical use. At Greencap, we work with our clients to develop appropriate and site-specific scopes of work for Preliminary Site Assessments (Phase 1) and Detailed Site Assessments (Phase 2). Tailored Phase 1 and Phase 2 assessments are critical for development sites under planning and development approval processes.

Our highly experienced teams can be mobilised for environmental and planning due diligence assessments at short notice, and are experienced across the resources, commercial, industrial and infrastructure sectors. We have advised clients and participated in negotiations for the sale and purchase of hundreds of sites with potential contamination over the past 15 years.



Effective remediation design and implementation comes from knowledge and experience.

Groundwater Monitoring and Modelling

Monitoring the quality of groundwater at and around sites that may have been impacted is an important aspect of any environmental site assessment. Greencap has a wealth of experience in the design and implementation of groundwater monitoring programs that involve the installation and sampling of groundwater bores and testing for a range of chemicals of potential concern.

Groundwater modelling is an important tool used by our hydrogeologists to assess and predict potential negative impacts on groundwater and any sensitive receptors on site or surrounding the target sites. We employ a range of models, including flow models, solute transport packages and hydro-geochemical models and select the appropriate tool according to the specific site conditions.

Groundwater monitoring and modelling benefits projects by focussing on areas of risk, providing critical information to avoid unnecessary costs whilst maintaining compliance and implementation.

Remediation Action Planning

At Greencap, we understand site remediation can be a costly and time consuming process. It can be a balance between remediating now or potentially being left with an issue that may be more costly to fix in the future. Our experienced teams use their expertise to understand our clients' objectives and the site-specific conditions before providing a range of cost-effective options to manage contamination.

We understand that remedial works should be completed in conjunction with the development process to streamline costs. As such, we are familiar with remediation master planning and are able to provide sound advice during the design and construction phases of the works.

Our advice is commercially focussed and is founded on a risk-based approach to contamination and remediation, thereby assisting our clients in navigating the trade-offs between cost imperatives, project timeframes, regulatory requirements and community expectations.

Ecological and Human Health Risk Assessment

Ecological and Human Health Risk Assessments address actual or potential risks associated with the presence of chemicals of concern in key environmental media (such as soil, groundwater and surface water) as a result of human activities.

These services underpin Greencap's risk-based approach and facilitate cost-effective remedies to address risks, allowing often-limited resources to be targeted to sites posing the highest levels of risk. A risk assessment report can provide important information to support a site owner, auditor or regulator to decide on a site's suitability for use or development, even if some contamination is present or remains post-remediation.

For further information on these services go to:

greencap.com.au

Updated December 2018

greencap.com.au | greencap.co.nz

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