



AUSTRALIAN
ENVIRONMENTAL AUDITORS



**Nationwide environmental
specialists providing expert
advice in contaminated land
and landfill sites.**

www.environmental-auditors.com.au

Australian Environmental Auditors

Australian Environmental Auditors (AEA) is one of Australia's leaders to provide specialist expert advice in contaminated land, landfill and associated disciplines across the country.

Our independent regulatory-appointed auditors and expert technical specialists help clients successfully overcome their environmental project challenges.

We pride ourselves on a responsive, transparent service with unquestionable experience and valuable expert support throughout the whole process.

AEA is advantaged to have multiple auditors and in-house specialists with varying qualifications and background experience.

We have been involved in over 850 audits or audit-related projects in all states and territories.

Our team has extensive experience in local governments, geology and the contaminated sites industry with a rich history of small to large scale work, and is able to cater to projects of any size.

The AEA Difference

AEA specialises in site contamination and landfill sites and have therefore established a company structure and procedures for the efficient delivery of environmental auditing and valuable insights.

We also find this minimises potential for conflicts of interest as we do not compete with contaminated site consultants in assessment, design or remediation work.

We understand the balance of meeting regulatory requirements and that each client and project has different drivers and desired outcomes.

Professional Services

AEA employs only the very best technical support team who have a thorough understanding of the most recent regulatory legislation in their assigned jurisdictions, as well as having technical expertise in one or more science or engineering fields.

We are at the forefront of our industry and are actively involved in associations, working groups and best practices and apply this knowledge and intel to every project.

Our strategically located offices and ability to successfully work remotely ensures that we are accessible, flexible and proficient to clients right around Australia.

Industry Experience

AEA works for a variety of stakeholders and has had significant experience with virtually all types of contaminants in all types of industries, including:

- state & local government
- property developers, owners, planners & construction
- oil & gas
- mining
- industrial, retailers & manufacturers
- service industry specialists – legal, consultants & engineers
- transport & infrastructure, and
- trusts, investors & individuals.

Why Australian Environmental Auditors?



8 EPA

appointed / accredited auditors across the country



Highly experienced in-house technical support team

Variety of disciplinary backgrounds and qualifications

Australian owned and locally operated

Smart auditing advice to help Clients meet their budget and timelines

**OVER
870
PROJECTS
OVER 8 YEARS**



Property Developers

Oil & Gas

Local Councils

Property Owners

State & Federal Government

Building & Construction

Mining

Legal Practitioners

Industrial, Retailers & Manufacturers

Finance & Investors

Transport

Town Planners

Our services

The majority of Australian states and territories have developed legislation, regulations and guidelines for the management of contaminated sites in accordance with the Commonwealth framework. This includes a requirement to undertake environmental audits on certain projects to meet the standards of the regulator. AEA offers a range of services to assist clients with their landfill and contaminated site projects.



Contaminated Land Auditing

The majority of Australian states and territories have developed legislation, regulations and guidelines for the management of contaminated sites in accordance with the Commonwealth framework. This includes a requirement to undertake environmental audits on certain projects to meet the standards of the regulator (e.g. EPA) or council. See AEA's website for the audit types and requirements in each state.

The environmental audit system provides a mechanism for assuring planning and responsible authorities (eg. local councils), landholders and other stakeholders, that a potentially contaminated site is suitable for use. This is particularly relevant when a development occurs or if a change in land use is proposed.

Stakeholder management of potentially harmful contaminants to the environment (such as soil, groundwater, surface water and vapour) and other relevant receptors, is an important objective to consider when undertaking work on a site to ensure approval and consent is granted.

AEA provides contaminated land (site contamination / contaminated sites) auditing in all states and territories in Australia.

AEA's team of experienced auditors and technical experts are able to provide independent assessment of sites to ensure the relevant conditions relating to a project's approval have been met.



Expert Witness

AEA provides contaminated sites and landfill expert witness services due to our strong background in soil and groundwater assessment, remediation, vapour contamination, risk assessment, PFAS, asbestos, legacy sites, leachate and landfill issues.

Our experts possess 20+ years technical experience in one or more science or engineering fields as well as a thorough understanding of the most recent regulatory legislation.



Landfill Auditing

AEA has a strong team of auditors and technical experts across the country, including two of Australia's foremost landfill gas experts available in-house to clients.

Our extensive experience has shown that states, councils, independent owners and operators are increasing their diligence in design, operation and management through compliance with raising legislative and industry standards.

Some common issues at current and former landfill sites may include: landfill gas, leachate, progressive rehabilitation, stormwater, groundwater; as well as noise, odour and dust.

- Landfill operations audits
- Construction design verification of new cells
- Construction design verification of capping and rehabilitation
- Construction quality assurance audits of new cells
- Construction quality assurance audits of capping and rehabilitation
- Hydrogeological assessments verification
- Environmental monitoring program verification
- Aftercare management plan verification
- Rehabilitation plan verification
- Risk assessment review
- Landfill gas and leachate management, control and assessment
- Landfill gas and leachate extraction systems
- Landfill operations, management and advisory support
- Expert witness



Contaminated Sites Expert Advice

AEA's technical team are accomplished in multiple scientific and engineering fields with on-the-ground practical experience and advanced technical knowledge. We also understand the balance of commercial drivers and good responsible business.

AEA provides a number of high-level expert advisory services, including:

- Pre-construction and planning phase property development advice
- Fate and transport modelling
- Risk assessment
- Preliminary project due diligence
- Portfolio acquisition/divestment advice
- Third party reviews and support
- Remediation costings
- Contaminant advice - PFAS, Asbestos, Acid Sulphate Soils, Petroleum Hydrocarbons



Risk Assessment

Human health and ecological risk assessment is often required in the assessment and auditing of contaminated sites, to:

- ensure the condition of the site does not pose an unacceptable risk to human or ecological receptors at the site or surrounding areas, and
- avoid unnecessary remediation (with associated costs) when the risk is determined to be low.

Risk assessments may include contaminant fate and transport modelling (especially groundwater plume migration and vapour intrusion assessment) and toxicological reviews.

AEA has in-house risk assessment and toxicology expertise, as well as access to a team of experts who can offer support in specific fields as required. We are able to independently review quantitative risk assessments undertaken by others, including as part of an environmental audit, as well as undertake our own risk assessments when the environmental consultant is lacking this area of expertise.



Landfill Expert Advice

AEA has some of the most highly experienced technical landfill specialists in the country. With technical, operational and regulatory experience, our prolific and diverse national landfill team offers valuable, independent and trusted advice for operational and closed landfill related sites.

- Landfill gas management and monitoring
- Background hazardous ground gas assessment and determination
- Landfill gas, hazardous ground gas and vapour risk assessment
- Landfill gas generation modelling
- Landfill gas extraction (including power generation) system design and assessment
- Landfill gas mitigation system design and assessment
- Leachate management and monitoring
- Leachate management system design and assessment
- Hydrogeological assessment including risk assessment
- Hydrogeological modelling
- Landfill construction
- Landfill rehabilitation and restoration
- Landfill aftercare management
- Developing on and within the buffer of/in vicinity of landfill sites
- Regulatory guidance
- Due diligence advice
- Independent, third party reviews
- Expert witness services for legal including court/tribunal appearances
- Expert support services to consultants and industry
- Special expertise such as PFAS or asbestos
- Established links to global experts in landfill gas management, landfill gas risk assessment, leachate, aftercare and landfill design.



Mine Site Rehabilitation

AEA provides proactive and responsible advice for the environmental rehabilitation of mine sites. By combining specialised environmental and engineering expertise with a strong in-depth knowledge of regulatory frameworks, engaging in this level of expertise makes solid business sense.

- Achieve satisfactory regulatory environmental obligations
- Conduct an expert review (verification) of your mine closure plan
- Identify potential issues early to minimise risk and maximise the chance of long term success
- Access to qualified technical scientists/specialists for mine site or stakeholder advice
- Prevent or minimise public scrutiny with high-level auditor verification

Our Team

Our independent regulatory-appointed auditors and expert technical specialists help clients successfully overcome their environmental project challenges. We pride ourselves on a responsive, transparent service with unquestionable experience and valuable expert support throughout the whole process.

AEA's team of in-house scientists and engineers is dynamic and available nationally to all clients. We have a diverse skill set and broad experience base.

Get in contact with one of our managers below regarding your existing or potential projects and how we could help you achieve your desired goals.



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