

Landfill Monitoring, Waste and Aftercare Management

Kleinfelder delivers best-practice, innovative and cost-effective solutions in all aspects of landfill monitoring, waste and aftercare management. With science and engineering practitioners across Australia, the Kleinfelder team is capable and accomplished in supporting clients overcome their environmental challenges.

Projects

- Conducted a comprehensive environmental assessment of a metropolitan landfill associated with a 53x Audit, including installation of LFG / leachate monitoring network, ongoing data review and assessment, additional LFG and hydrogeological assessments, stakeholder liaison and community engagement. VIC (Cleanaway)
- Five year Environmental monitoring, across 3 sites, in accordance with Environmental Management Plans (EMPs), including annual and quarterly groundwater, surface water and leachate monitoring. Prepared annual compliance reports and updates to EMPs and environmental risk assessments. Various locations, Victoria (Mitchell Shire Council)
- Three year post closure environmental monitoring program including groundwater, surface water, leachate and landfill gas. Prepared EMPs, Annual Compliance and NPI reports. VIC (Central Goldfields Shire Council)
- Hydrogeological assessment. QLD (Cleanaway (Formally TPI))



PROFILE

Key environmental challenges faced by our clients include the management of landfill gas (LFG) and leachate containing high concentrations of organic and inorganic compounds. These products unfortunately can migrate towards neighbouring sites and require technical expertise and technologies to mitigate.

The Kleinfelder waste management team have considerable experience across these areas. We are familiar with state Environmental Protection Authorities, landfill licencing, post-closure requirements, landfill environmental monitoring, environmental auditors, reporting requirements and issues faced by both metropolitan and rural landfill operators.

OUR SERVICES

- Groundwater, surface water, leachate and landfill gas monitoring
- Waste categorisation and management
- Strategic planning and post closure landfill management
- Landfill gas modelling and risk assessment
- Hydrogeological modelling and assessment
- State regulatory compliance reporting
- Landfill flare emissions monitoring
- Detailed leachate assessments (including bacterial)
- National pollution inventory (NPI) reporting
- Stakeholder and community consultation
- Human Health and Environmental Risk Assessment (HHERA)