



Where the environmental experts live
part of the **pitt&sherry** Group



Environmental Monitoring

Environmental Monitoring Specialists

KMH's team of experts are highly experienced in environmental monitoring, including surface and groundwater water monitoring and assessment, soil sampling and contamination assessment, analytical chemistry, auditing and reporting. We understand the complexities of compliance and legislative responsibilities and the pressures they place on organisations and projects.

Our specialists have practical experience with operational, infrastructure and development projects over a wide range of conditions, enabling us to provide informative and pertinent advice.

For more information on how we can assist, please contact KMH on (02) 9468 9300

www.kmh.com.au

Regulatory approvals and licences often require environmental monitoring to validate the performance of a project or operation. Non-compliance with these requirements carries significant risk, liability and cost implications for infrastructure operators, developers and contractors.

KMH provides effective environmental monitoring supported by compliant and clear reporting. Our strong team of water quality, soil conservation, waste, contamination, and environmental specialists has a proven track record to help reduce your environmental and reputational risks.

KMH's experience will help you:

- Identify and address environmental monitoring and compliance issues
- Reduce the risk of pollution and associated regulatory action
- Improve environmental performance and reputation with clients, regulators and the community
- Realise time and cost efficiencies through effective coordination and management of controls

KMH SERVICES

- Surface water and groundwater quality monitoring plans, field monitoring, results analysis and compliance reporting
- Soil and water management plans including sedimentation basin design and management
- Erosion and sediment control plans (KMH has people who are Certified Professionals in Erosion and Sediment Control, a recognised industry standard)
- Phase I and II contamination assessments for soil and groundwater
- Soil sampling plans and analysis for site contamination and validation reporting
- Acid sulfate soils assessment, planning, management and treatment
- Spoil monitoring and tracking
- Air quality, noise and dust monitoring
- Waste, energy and NGERS reporting
- Environmental compliance inspections and reporting
- Independent environmental audits



Project highlights



Site Environmental Monitoring - Upper Hunter Valley Alliance



The Upper Hunter Valley Alliance (UHVA) was formed to deliver a significant program of rail infrastructure development for the Australian Rail Track Corporation (ARTC) to meet contract supply requirements.

KMH delivered a full suite of environmental services from concept design phase through construction and commissioning of the asset. These included obtaining approvals, developing management and monitoring plans and implementing environmental controls during project construction in coordination with UHVA engineers and contractors.

KMH provided all surface and groundwater sampling, including analysis and reporting in compliance with approvals and licenses. KMH has continued to provide water quality monitoring and reporting for ARTC through operation

of the relief roads, including annual reporting to the Department of Planning and Environment.

During construction, KMH also provided noise monitoring, acid sulfate soils monitoring and tracking, soil conservation and revegetation services, spoil removal, remediation and validation works, and spoil tracking and disposal including procurement of resource recovery exemptions which dramatically reduced the cost of waste disposal for the client.

Phase I Contaminated Site Assessment and Targeted Sampling - Tallawang Magnetite Mine

KMH undertook a Phase 1 Contaminated Site Assessment and Targeted Soil Sampling in support of Sibelco's Mining Operations and Closure Plan prior to their rehabilitation and closure activities. KMH completed a site history assessment search and a soil sampling program as per the relevant EPA guideline. This involved assessing the type, extent and level of contamination, reviewing sampling and analysis data against NEPM Health Investigation Levels, assessing site suitability for the intended future land use, and identifying if remediation is required in any areas found to be contaminated.



Soil Investigation Report – Roads and Maritime Services

Roads and Maritime Services (RMS) engaged KMH to prepare a Site Investigation Report (SIR) for a site in North Sydney where maintenance works were proposed adjacent to a recreation park. The SIR reported background concentrations of potential contaminants in near surface soil of the recreation park. KMH completed soil sampling at 54 locations including QA/QC procedures, and determined background concentrations of potential contaminants at the site. The report assisted RMS in their management of the site and associated assets.

Site Environmental Management – Northern Hume Alliance

The project comprised the duplication of five sections of single carriageway on the Hume Highway, the main freight route between Sydney and Melbourne, south of its intersection with the Sturt Highway to north of Albury.

KMH provided site environmental management services and undertook the environmental monitoring and reporting for noise monitoring, surface water quality monitoring, groundwater monitoring, dust gauge monitoring, erosion and sediment control and general environmental site inspections for the project. Monitoring at the site demonstrated compliance with multiple layers of legislative, contractual and client requirements at a complex site.

