



SIA SOLUTIONS

Capability Statement

PRACTICAL SOLUTIONS WITH REGULATORY CONFIDENCE FOR COMPLEX ENVIRONMENTAL PROJECTS

SIA Solutions (SIA) is a Northern Territory-based environmental consultancy built on specialised technical knowledge, regulatory insight and a commitment to facilitating practical and defensible environmental solutions.



At SIA Solutions (SIA), the goal is to help clients progress their projects efficiently, supported by clear, robust and defensible environmental assessments that meet regulatory expectations.

By collaborating with a network of trusted environmental specialists, SIA delivers tailored short- and long-term solutions that combine technical rigor with practical application to support project delivery and achieve high-quality environmental outcomes.

SIA delivers integrated environmental consulting services that support projects from planning and approvals through to construction, operation and closure. SIA works with project proponents across mining, infrastructure, energy and land development.

SIA's multidisciplinary capabilities include:

- **Environmental Planning, Impact Assessment and Approvals**
- **Environmental Management and Compliance**
- **Hydrogeology, Groundwater Modelling and Water quality**
- **Geochemistry**
- **Biodiversity and Ecological Assessments**
- **Geospatial Services**

Core Services

Environmental Planning, Impact Assessment and Approvals

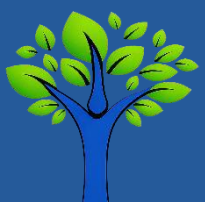
SIA delivers end-to-end environmental planning, impact assessment and approval services based on site-specific constraints and SIA's expertise and understanding of regulatory processes. SIA has more than 50 years of combined experience in environmental impact assessment, including over 25 years' in regulatory roles assessing applications and preparing statutory advice. SIA understands how approval authorities evaluate applications and what is required to secure environmental approvals.

- Environmental planning and constraints analysis
- Approval strategies and regulatory pathways
- Environmental impact and risk assessments
- Regulatory approvals and amendments (including EPBC approval)
- Licensing and permits documentation
- Peer review and strategic technical advice
- Coordination of specialist studies

Environmental Management and Compliance

SIA supports clients across the full project lifecycle with fit-for-purpose environmental management solutions. SIA develops targeted, practical and compliant documentation tailored to the scale, complexity and risk profile of each project - avoiding unnecessary bulk or generic content.

- Construction Environmental Management Plans
- Operational Environmental Management Plans
- Decommissioning Environmental Management Plans
- Rehabilitation and Closure Plans
- Environmental monitoring programs
- Peer review and strategic technical advice
- Compliance and environmental performance reporting
- Coordination of specialist studies



Hydrogeology, Groundwater Modelling and Water quality

SIA provides high quality technical expertise across groundwater-related projects, delivering assessments and modelling tailored to local geology, hydrological systems and regulatory expectations.

- Groundwater assessment and impact assessment reports
- Surface water-groundwater interaction assessments
- Conceptual and analytical hydrogeological models
- Water quality assessments
- Groundwater trigger deviations
- Groundwater management plans and monitoring programs
- Licensing, permits and compliance documentation
- Groundwater exceedance investigations and corrective action advice
- Peer review and strategic technical advice

Geochemistry

SIA delivers high-quality geochemical expertise across diverse climatic and geological settings. SIA's capability extends well beyond regulatory compliance. SIA can help limit liabilities associated with waste materials for improved environmental outcomes, including where appropriate, beneficial reuse of waste materials. SIA's approach integrates advanced geochemical assessment to support long-term closure outcomes.

- Waste rock characterisation, assessment and management
- Tailings characterisation
- Acid and Metalliferous Drainage (AMD) assessment and management
- Geochemical risk assessments and impact documentations
- Waste material suitability assessments for beneficial reuse applications
- Closure and rehabilitation geochemical assessments
- Peer review and strategic technical advice



Biodiversity and Ecological Assessments

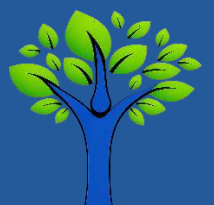
SIA, together with its trusted environmental specialists, delivers biodiversity and ecological assessments to support project planning, environmental approvals and ongoing environmental management. SIA's expertise covers the full assessment cycle from desktop likelihood analyses through to targeted field surveys and species-specific management planning.

- Desktop Flora and Fauna likelihood assessment
- Terrestrial ecology surveys
- Habitat health assessment
- Vegetation mapping
- Flora and Fauna impact assessments
- Threatened species surveys and management
- Coordination of specialist studies

Geospatial Services

SIA provides advanced geospatial analysis and mapping services and delivers high quality, project ready maps that integrate publicly available datasets and site-specific field data.

SIA's spatial products are accurate, clear and purpose-built to communicate complex environmental information that support environmental assessments, operational planning, regulatory submissions and stakeholder communication.





Contact SIA

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