



## SRA facilitating efficient and informed decision making for AAMC

### Anglo American Metallurgical Coal

Anglo American is one of the world's largest mining companies with a portfolio of mining businesses that spans bulk commodities iron ore and manganese, metallurgical coal and thermal coal; base metals and minerals (copper, nickel, niobium and phosphates); and precious metals and minerals.

Anglo American's Metallurgical Coal (AAMC) operations are based on the east coast of Australia and in Canada at well-established locations with direct access to rail and port facilities.

In 2000 AAMC made a firm commitment to sustainable development, which was subsequently embedded into their policies, strategies and everyday practices. They assess the economic, social and environmental risks and benefits of every decision.

This commitment requires the collection, validation and management of environmental information that is then collated, analysed and communicated to a range of stakeholders.

### Problem

AAMC's data collection processes were labour intensive; valuable resources were dedicated to data collection, with limited time available for analysis.

The availability of an audit trail that indicated where, when and by whom data was collected, and the quality of the data, was problematic.

AAMC determined the need for a central repository for all health, safety and environmental data to facilitate:

- Identification and management of risks and opportunities
- Independent assurance of quality and effectiveness of controls
- Informed decision making through the supply of information to internal and external stakeholders
- Accessibility by AAMC staff at any location with levels of accessibility dependant on permissions
- Geographic Information System functionality
- All environmental reporting, including corporate reporting to the ENABLON system
- Integration with other environmental tools, particularly water balance models
- Flexibility to cater for a range of geographies, regulatory frameworks, evolving policies and infrastructure



## Our Solution

SRA implemented EnviroSys™ across AAMC operations including water, weather, dust, blasting, noise, waste, biodiversity and land disturbance data to streamline AAMC's environmental data management capability.

AAMC staff now use custom configured forms to email data directly into the system. SRA also worked with third party contractors to develop standard data formats to facilitate email submission of their laboratory data.

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### ***AAMC communicates a wide range of environmental information to their various stakeholders.***

*EnviroSys™ consolidates all environmental information and has enhanced AAMC's environmental information management and reporting capacity significantly.*

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Production data is also automatically loaded from another system into EnviroSys™ via email export functionality.

Since the initial implementation, EnviroSys™ has enhanced AAMC environmental information management and reporting capacity significantly through rapid access to consistent, reliable, accurate, comprehensive and transparent information.

Access to high quality information, in real-time, facilitates swift management decisions, which allow AAMC staff greater bandwidth for implementation of Environmental Management initiatives.

Water, weather and dust data is captured in real-time, with EnviroSys™ producing alerts for relevant AAMC staff when incoming results data exceeds configured threshold limits.

This allows AAMC to make critical business decisions in a timely manner.

AAMC staff are also alerted when data sets are incomplete, contain invalid data and/or are not received within designated timeframes.



EnviroSys™ produces a suite of standard and custom built reports designed to provide AAMC with the necessary information to meet their specific regulatory needs.

In particular, reporting against NGER, the Water Accounting Framework (site water, input, output and storage figures) and QLD Waters reporting (a legislated requirement).

There are also customised ENABLON extracts for comprehensive monthly internal reporting.

The scope of the project also involved the installation and configuration of the software, migration of existing data, training, project management and requirements workshops.

AAMC's Callide site was excluded from the initial implementation and, as a result, Phase 2 was introduced in 2014 and involved:

- Implementation of Callide within the existing AAMC EnviroSys™ system
- Establishment of Callide specific data feeds

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## The Bottom Line

Project type	Custom installation
Timeframe	Initial implementation: 2012 Phase 2: 2014
Features	Internal and external reporting, data quality, integration with ENABLON
Location	Queensland
Benefits	Alerts enable risk management Data validation facilitates confident decision making

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## Further Information

For further information on Anglo American visit:  
[www.australia.angloamerican.com](http://www.australia.angloamerican.com)

For further information about SRA and the services we offer please contact one of our expert consultants via:

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