

Consulting expertise for mines

C&R Consulting has worked with Incitec Pivot Limited (IPL) at its Phosphate Hill Mine operations for more than six years, undertaking projects such as the routine compliance monitoring of groundwater levels and quality, as well as detailed environmental studies.

These studies have regularly employed the full breadth of C&R Consulting's expertise; including geology, geochemistry, botany, aquatic ecology, pedology, hydrology, hydrogeology and geomorphology.

The work conducted by C&R Consulting's scientific professionals is often used to liaise with regulatory authorities, including the Queensland Department of Environmental and Heritage Protection and the Queensland Department of Natural Resources and Mines.

The remote location of Phosphate Hill Mine requires a high degree of organisation and preparation for the variety of scenarios that can, and do, unfold while working in the field.

C&R Consulting has several in-house safety policies in place for undertaking field work to conform to relevant Australian Standards; ensuring staff are appropriately trained, qualified and aware of their responsibilities when undertaking remote field work.

C&R Consulting scientists work with the IPL environmental team to ensure up-to-date, best practice environmental management measures are adopted in the most cost efficient manner to benefit both mining operations and the environment.



C&R Consulting provides environmental compliance studies for mining operations.

The company constantly strives to provide its clients with value for money while supplying ethical, professional, scientific services.

C&R Consulting's understanding of the environmental conditions peculiar to the

seasonally arid tropics is often employed by many clients to evaluate situations before they become problems.

In order to accurately determine the source of environmental issues operators must develop a detailed knowledge of background,

site specific environmental processes.

C&R Consulting considers gaining this knowledge the first step in helping clients adopt appropriate environmental management practices relevant to their site and operations.

Innovative solutions in a dynamic environment

- Geochemical Assessments (including geochemical modelling of waters)
- Freshwater and Marine Ecological Assessments (including protected species surveys)
- Terrestrial Ecological Assessments (including protected species surveys)
- Hydrogeological Studies (including modelling)
- Fluvial Geomorphological Assessments
- Geological Assessments
- Soil and/or Water Contamination and Remediation Investigations
- Hydrological Investigations (including flood modelling and water balances)
- Climate Change Investigations
- Forensic Environmental Investigations



- GIS and Spatial Data Assessments
- Mining and Development Approvals
- Compliance Monitoring for a Range of Parameters (including surface water and groundwater quality, surface water flows, sediment quality, dust quality, treated effluent, drinking water quality, REMPs, rehabilitation, overburden geochemistry, etc.)
- Database Management
- Development of Management Plans (including Soil Erosion and Sediment Control Plans, Water Management Plans, Rehabilitation Management Plans, etc.)
- Liaison with relevant Local, State and Federal Government Authorities

C&R Consulting Pty Ltd