



Resume

Clive Seymour

***Principal Mining
Engineer
Director***

Qualifications

BSc (Hons) (Mining)
University of Cardiff

PhD (Rock Mechanics)
University of Cardiff

Professional Registration
MAusIMM

Expertise

- Computerised mine planning and design (Expertise with Gems and Whittle, Operating knowledge of Surpac and Datamine)
- Geotechnical Evaluations and Mining Rock Mass Modelling
- Ore reserve audits and reviews
- Surface and underground mine planning
- Pit optimisation
- Mining layouts and schedules and equipment selection
- Financial assessments, risk analysis and due diligence
- Strategic and technical mine planning reviews for companies and operating mines
- Due diligence for major finance houses
- Project management for multidisciplinary mining feasibility studies.

Experience

Clive has international experience having worked on projects in South America, Russia, Africa, China, Asia and Australia. He has worked on a wide range of projects from greenfields feasibility studies through to operational reviews for finance companies, mines and mining companies. He has also completed a number of due diligence commissions. Project experience includes:

- **Large Scale Open Pit Projects** – Pit optimization, pit design and life of mine planning and scheduling with large scale mining equipment (300t trucks and 500t excavators) and total material movement up to 1 million tonnes per day. Specific copper projects include Chuquicamata, Olympic Dam, Palabora, and Nchanga.
- **Due Diligence and Technical Audits** - Supply independent statements for competent persons reports. Prepare due diligence reports for financing, restructuring and for inclusion in prospectuses for stock exchange listings. Technical mine planning reviews and development of strategic mine planning alternatives. Advice on preparation of mine plans that address risk and are cost to metal based
- **Geotechnical Evaluations** - Creation of 3-D Mining Rock Mass Models (MRMM) involving classification of geotechnical data into unique domains based on major geotechnical classification systems together with laboratory, geological, structural and hydrogeology data
- **Underground Coal (Producing mines)** - Technical reviews of coal mining methods and mine planning strategies. Provision of mining and strata control consulting services. In addition, expert advice and comment has been provided to the State Attorney and a number of industrial corporations with regard to coal mining feasibility
- **Coal Mining Feasibility** - Complete feasibility studies for new coal mines including coal reserve assessment, mining method and equipment selection, mine design and life of mine schedules, financial assessment and risk analysis
- **Underground Mining (Producing mines)** - Underground mining layout, production and development scheduling, stoping and support system design, Life of mine inventories and preparation of mining strategies.
- **Open Pit Mine Planning** - Optimisation of final open-pit envelopes based on cut-off cost criteria. Planning and scheduling of current mining operations from current faces to final open-pit limits. Technical reviews of mine planning systems
- **Feasibility Studies** - Mining feasibility studies including optimisation of final open-pit limits and production rate, mining method and equipment selection and layouts, life of mine scheduling, financial and risk analysis. Management of multi-disciplinary project teams.

Background

Clive obtained a BSc Honours degree in mining engineering and a PhD from Cardiff University. He has over 30 years postgraduate experience. On completion of his university studies, Clive gained practical mining experience with the Anglo American Corp. in South Africa and then joined SRK Consulting in Johannesburg. In 1996 Clive moved to Australia to set up SRK's Australasian practice. In 2002 he formed Dempers & Seymour Pty Ltd with Gary Dempers to provide specialist geotechnical and mining consulting services.