

## Case Study

# Acid and Metalliferous Drainage (AMD) Toolkit and Management Plan

## Global Gold Operations (Australia, Canada, Papua New Guinea)

Okane was engaged to develop an acid and metalliferous drainage (AMD) management Toolkit designed to provide users from corporate to operational levels with an understanding of AMD basics, risks and consequences.

The Toolkit provides users with a decision-making hierarchy pertaining to methodologies employed to firstly manage potential AMD risks, and secondly mitigate impacts from AMD generation. The Toolkit was structured according to the Okane AMD Management system and aligned with the performance expectations prescribed in the client's AMD and Waste Rock Management Standards.

The Okane AMD Management System is based on a seven-step hierarchical approach addressing; baseline conditions, prediction, prevention, minimization, control, treatment, and planning for closure. The toolkit also included an introductory unit to provide context and an organisational perspective to AMD issues at a level appropriate to the target audience.

The Toolkit and Management Plan also included:

- An AMD Workbook that incorporated training modules based on client specific case studies;
- An Okane facilitated short course to deliver the AMD Toolkit and complete the AMD Workbook;
- Okane mentoring for workshop attendees implementing the AMD Toolkit and Management Plan, including a site-specific investigation at their respective sites; and
- A follow up workshop to allow attendees to deliver the findings of their site-specific investigations and receive technical mentoring and guidance from Okane.

**Decreasing AMD risks and treatment costs through corporate and operational level training and management plans.**

**Integrated Mine Closure  
and Relinquishment Solutions**



Jung, R. (unknown). Orange coatings on rocks and precipitates forming in a drainage line downstream of an AMD source. Australian Government.

