

**Summary Notes  
Sudbury Meeting May 2004  
Global Alliance – INAP, ACMER, ADTI, and MEND**

**Thursday 27 May 19h30-21h30**

**Venue :** CANMET/NRCan Office - 1079 Kelly Lake Road, Sudbury

**Participants :**

**Chairperson:** Bruce Kelley – INAP (Rio Tinto)

Anne-Marie Fleury - INAP Technical Manager

Bill Price – MEND (NRCan)

Charles Bucknam – ADTI (by phone)

Clive Bell – ACMER (by phone)

Denis Kemp – INAP (Noranda / Falconbridge )

Elizabeth Gardiner, MEND (MAC)

Gilles Tremblay - MEND

Kim Belfontaine – MEND (BC Ministry of Mines)Linda Figueroa – ADTI

Mark Peterson - Mine Waste Technology Program, ADTI (by phone)

Steve Slater – INAP (Rio Tinto)

**1 INAP summary**

Bruce Kelley summarized INAP's recent activities and started the meeting by congratulating MEND on the successful workshop in Sudbury.

Since the last Global Alliance meeting, both the OpCom Chair and the Technical Manager have relocated. Ross Gallinger is in Toronto with Placer Dome and Anne-Marie Fleury is in London, England with a second part time job with ICMM. This has resulted in INAP being somewhat less pro-active with the Global Alliance in the last few months.

INAP has been pursuing several activities since the last Global Alliance meeting. Mostly, work to upgrade the web site and undertaking discussions with ICMM with a view to develop a relationship.

INAP is holding a members meeting in Sudbury following the Global Alliance meeting with the aim to familiarize site personnel from INAP member companies with INAP's work. This meeting will include a visit to the Whistle Mine and talks from consultants on INAP projects.

INAP will aim to provide information on future meetings of this kind to the regional organizations prior to the actual meetings. The next likely meeting to raise member awareness (similar to the Sudbury meeting) is planned for October

in Australia. This may be held in Melbourne to coincide with Minerals Council of Australia (MCA) annual Sustainable Development Meeting (25-29 Oct, 2004).

INAP will also consider having an OpCom meeting at the annual BC MEND meeting in Vancouver in December.

### **Action Items**

INAP to circulate details of any forthcoming INAP meetings to Regional Organizations.

## **2 ACMER update**

ACMER will be undergoing structural changes as a result of the Minerals Council of Australia (MCA) recently deciding to financially underwrite the Centre (traditionally, financial support came from individual companies). ACMER is likely to increase its focus on technology transfer.

Progress continues on the Store and Release Covers Project in collaboration with INAP. A review has been commissioned on water use by native plants, and a workshop is planned for 24 August 2004 in Perth to review the initial findings.

ACMER is also working on other projects, including one involving cyanide and wildlife risk assessment in Australia and Africa, and a proposed national survey of the performance of tailings storage facilities and waste rock dumps.

Future technology transfer activities will largely be focused on implementing the MCA's Sustainable Development Operational Framework which is based on the 10 ICMM Sustainable Development Principles.

In relation to this, the Mining Association of Canada (MAC) is planning an initiative entitled 'Towards Sustainable Mining'. MAC recently launched this project to engage operational level personnel to embrace sustainable development and put its concepts into practice. The project aims to assess member company performance through the use of indicators. It seems as though this effort is parallel to what is being done in Australia, and there is an interesting opportunity for collaboration.

ACMER has completed production of videos on cyanide use and management, with information on the International Cyanide Management Code, site management, etc. This project was funded by the Australian Government and the mining industry, and videos will be available for purchase at cost of production plus postage and handling.

The Mining Association of Canada (MAC) requested further information on these videos as it would like to hold a workshop on implementing the Cyanide Code for small to medium companies.

From 8-10 March 2004, ACMER was involved in a workshop on sustainable development in Johannesburg with the Universities of Cape Town and the Witwatersrand. Whilst in Johannesburg, Clive Bell spoke briefly with William Pulles about South African representation in the Global Alliance. William reiterated the interest of the Mine Water Association in this.

ACMER is planning to run a workshop on tailings in Perth on 26-27 August 2004. It will focus on the design and management of tailings storage facilities to minimise environmental issues on closure.

### **Action Items**

Clive Bell to send list of events and details of the cyanide videos to Anne-Marie for distribution to the Global Alliance.

Clive Bell and Elizabeth Gardner to communicate for possible collaboration on sustainable development technology transfer projects.

Any ACMER newsletters and event or general information could be distributed to the Global Alliance via INAP.

### **3 ADTI**

ADTI continues to work on their workbook series and have recently agreed that these would be made available for the possible INAP world-wide guide project. ADTI endorse this project and recommend that INAP seek funding to progress on this.

No further progress has been made on the workbook introduction, however ADTI plan to finish it in 2004. Further funding for the Pit lakes workbook is not yet secured. The Modelling workbook will be moving forward in Sept – with expected completion in 1 year. The National mining association will provide an additional US\$5000 for this project in 2005. Kim Lapako continues to work on the Prediction workbook and Linda Figueroa will be finalizing the Mitigation workbook this year.

The University of Utah research on stability of waste rock dumps will be going forward with a technical review of programme in the near future.

The recent SME 2004 meeting took the form of a symposium on sustainable development from the ground up. There were presentations on cyanide.

Future workshops include a Tailings closure workshop June 8-9 in Elko. The ADTI operations committee will hold a conference call on June 15<sup>th</sup>; the Annual ADTI report has been finalized and will be distributed to Global Alliance for information purposes.

Other news items include progress on the technology database, the ADTI steering committee met with Dirk Van Zyl to explore how to go forward on this. Finally, the logos for ADTI have been developed.

### **4 MEND**

MEND has been kept busy preparing for the workshop in Sudbury. Over 110 delegated attended the two-day event on sludge management and treatment of neutral pH and lower acid drainage.

Many of the MEND projects are coming close to completion, with some delays experienced getting closure. Draft reports are expected shortly on the following projects:

- Disposal options for lime sludge
- Covers in permafrost regions
- Dry covers manual
- Review of neutral drainage

Another project on case study assessments, including field work, is expected to be completed this fall. A list of information requirements in ML/ARD assessment and mitigation work prepared by Bill Price is now available. This document is being translated and both will be available from the MEND website.

Future projects that will be discussed at the Steering Committee meeting planned for Friday May 28 may include a proposal on cover performance in the macro-scale environment on dry covers by Mike O'Kane. Another possible project is on cold temperature weathering. MEND will also be providing funding to the Diavik scale-up project (in association with INAP), providing Can\$20,000/year for the next 5 years. INAP was asked to follow-up with the contractor since MEND has not received any formal request for the 2004 money. Several discussions have taken place between MEND and D. Blowes.

Upcoming workshops include a 2 day workshop on prediction in Smithers. British Columbian to be held Sept 13-15 and organized by Bill Price. The BC MEND workshop will also take place Dec 1-2 and will focus on dry covers, segregation of waste, and prediction.

Proceedings from the BC MEND 2003 workshop should be publicly distributed in the near future. It is also planned to use the same contractor to publish the Sudbury workshop proceedings.

### **5 GA going forward**

The Technical Manager alerted the GA to the fact that the International Finance Corporation (IFC) is expected to shortly make public its new Environment, Health, and Safety Guidelines for Precious Metal Mining for public comment. This

document is likely to have high importance to many mining countries around the world, and includes extensive sections on acid drainage. Some feedback from the GA would be timely and appropriate.

The Chairperson noted that all parties to the GA continued to see value in this collaboration and invited members to circulate their mutual newsletters. He also noted that INAP would aim to hold more frequent teleconferences with the GA.

### **Action**

Bruce Kelley to organize more frequent teleconferences.