



# INAP - An Update

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# What is INAP?

An organization of international mining companies dedicated to reducing liabilities associated with sulphide mine materials.





# Priorities

Member Companies are committed to long-term improvements in ARD prevention

Advance the reputation of INAP as an industry global leader in ARD through:-

- Information Sharing
- Technology Transfer
- Collaborative Research
- Best Management Practice

# INAP Activities

## INAP Links to International and Regional Organisations

INAP has made submissions to:

- World Bank Extractive Industries Review
- GRI Mining Supplement
- IFC policy and guidelines
- ICMM

# Global ARD Alliance

Regional Organisations have best knowledge within their geographic area

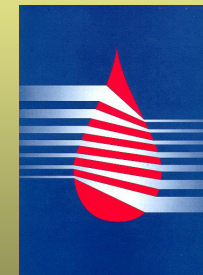
- Regional organizations are the ‘centers of excellence’

- Globalisation makes it increasingly difficult to address ARD as a regional issue

- Need for greater global coordination, communication and information sharing

# Global Alliance

## Acid Drainage Technology Initiative



MEND

Water Research Commission

# Examples of Activities/Projects

- Pit Lakes
- Store and release covers
- Co-disposal
- Scale Up
- Sulphate reduction
- Tails and waste rock dismantling
- Numerous workshops - outreach

# Global Acid Rock Drainage Guide



An International Guide for World Wide  
Best Practice in prediction, control, and  
mitigation of Acid Rock Drainage.

*The guide should become a reference  
document for all stakeholders involved in  
technical ARD and waste management issues*



# Does the Sector Understand AMD ?



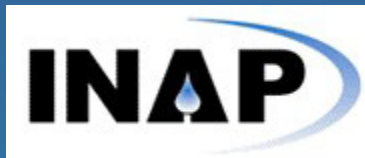
Article in a mining magazine December 2005  
on 'How to handle waste':

● *“To prevent mine drainage  
(AMD), operators should avoid  
pumping tailings containing pyrite”*



**The industry needs Guidance!!!**

# The Need for the GARD Guide?



- To:
  - Articulate the issues,
  - Reference best practice
  - Promote consistency in approach
  - Improve understanding on practices
- No single guide embodies World 'Best Practice'
  - Partial guides exist regionally
  - Best expertise in Developed Countries
- Leverage the World's ARD Practitioners
- Globalisation and the 'Equator Principles' will require projects to achieve 'global best practice'

# Overarching Principles

- A management perspective – EMS
- A ‘How to’ of risk assessment of ARD and waste
  - Scientific, flexible with Global view (not prescriptive)
  - Sequential, logical and consistent in approach
    - *‘mining life cycle cradle to cradle’*
  - Promote reduction and control at the source
  - Integrative and multi-disciplinary
  - Avoid duplication - builds on existing good guidance
  - A living document (reflect development/change)

# What could it contain?

- A practical guide for operators, regulators and NGO's
  - What questions to ask and answer?
  - Consistent data collection - quality and approach
  - Implementation issues
  - Draft terms of reference for consultants
  - Costs to do work
  - Practical guidelines and user protocols
- Technical appendices
  - Sampling and analysis
  - Test procedures
  - Case studies



# How Will it Be Developed?

- Project leader Keith Ferguson
- In Co-operation with the Global Alliance (MEND, ADTI, ACMER, PADRE, WRC)  
*PLUS* Involvement of other interested stakeholders (ICMM, World Bank, others?)
- Review of existing guidelines and other documents (avoid duplication)
- Collaborative approach to developing and guiding the scope and content

# Why Now?



- Communities of Interest are demanding world wide best practice on ARD and waste
- Opportunity to establish best practice during this period of significant sector growth (no excuses!)
- Opportunity to expand global dialogue and interest in the ARD elimination agenda
- Increase transparency - involve stakeholders who wish to be participate in the project

# How will the Guide reduce the liability/legacy of ARD?

- Recognizing that ARD is not only an 'acid drainage' issue but more about waste management and metals in the environment
- ARD legacies are influencing permitting and closure policy – bring together the worlds best expertise
- Break throughs will not occur independently
- Greater participation, sharing, networking and collaboration will lead to improvement and measurable progress



# INAP - Not the Solution to ARD but a Piece of It!

- A technical performance based organisation
- Tapping the best world wide expertise
- Not 'reinventing the wheel'
- An open and transparent technical forum to find the best solutions
- Willing to share ideas and resources



# My Invitation

- Get Involved in INAP
- Contribute to the GARD Guide



Thank You

[www.inap.com.au](http://www.inap.com.au)

- Contains downloadable documents of projects
- Member area for non public sharing