

## **Giant Mine Arsenic Trioxide Workshop Presentation Guidelines**

The options for Arsenic Trioxide management will be rated against each other and against criteria developed and agreed upon at the workshop. The evaluation criteria matrix will be confirmed in Day 1 of the workshop. Each process must meet the minimum performance criteria in order to be considered further. Once it has passed these minimum criteria, each process will be evaluated against the others using the desirable criteria as a guideline. To allow for evaluation, your presentation shall respond to the following questions:

### **Minimum performance criteria**

#### **Process Understanding:**

- Is the process a proven technology?
  - ➡ *Does the process provide a permanent solution to arsenic management?*
  - ➡ *Can implementation of the process be completed within 50 years?*
  - ➡ *Can the process be operated in the Yellowknife environmental conditions?*

#### **Public Health and Safety:**

- Has the process been proven safe in upset conditions?
- Has the end product been proven to be stable?

### **Desirable criteria**

#### **What are the risks of this process?**

- Has this process been used for  $\text{As}_2\text{O}_3$  before? Has it been used in a similar environment?
- What level of confidence is there in the data/information available?
- What are the safety issues for workers during normal and upset conditions?
- How vulnerable is the process to upset?

#### **What is involved in the operation of this process?**

- What reagents are required, what is the source of these reagents?
- Can this process replace the roaster?
- How flexible is the process to changes in feedstock quantity and quality?
- What is the level of recovery of arsenic and gold?
- What is the product production rate (in terms of tons/day  $\text{As}_2\text{O}_3$ )?

#### **What are the possible environmental impacts associated with this process?**

- What is the displacement/disruption of natural features?
- What are the land/space requirements?
- What is the volume of the stored end product material?

#### **What are the costs associated with this process?**

- Capital costs?
- Overhead & maintenance costs?
- Closure costs?
- Revenue?

A 3-5 minute summary at the end of your presentation is strongly recommended.