



Response to Undertaking #4

The process and timelines outlined below will allow the Giant Mine Remediation Project Team to incorporate input from the Parties in order to finalize designs in preparation for Project implementation. The detailed engineered designs are driven by the Developer's Assessment Report (DAR) concepts and the design process does not aim to change the Project. Rather, the design process provides an opportunity for meaningful refinement of the Project as presented in the DAR and the finalization of these designs is not required to assess the proposed Project.

Undertaking #4 sought clarification on the design process for the following four mine components: tailings cover, the diffuser, wet vs. dry frozen blocks and Baker Creek. A proposed general process to arrive at a final engineering design for each of the four mine components is provided below. This is followed by specific details for each of the four mine components.

General process for arriving at a final engineering design:

1. Meet with Parties to discuss preferred approach to engagement and priorities on the four mine components. Engagement plan prepared based on discussions and provided to all Parties. Late fall 2012.
2. AANDC to provide a state of knowledge report to all Parties on current designs for each of these four mine components as a means of ensuring all Parties, including AANDC, have the same base. Late winter 2013.
3. Series of meetings and other forms of engagement in accordance with the engagement process decided upon in Step 1 to discuss objectives/measures of success for each of the four mine components. These discussions will also include refinements to design elements within the approved conceptual closure framework. Meeting outcomes will be recorded in meeting reports. Beginning in early spring 2013 and running until late winter 2014.
4. Finalization of preliminary designs by AANDC and its design team that meet objectives/measures of success as appropriate for each of the four mine components. Beginning in early spring 2014 and running until late winter 2015.
5. Follow up workshops on designs with Parties. Workshop reports will be prepared and provided to the Parties. Spring 2015.
6. Final detailed engineered designs prepared by AANDC and its design team. Beginning in summer 2015.

Tailings Cover

In order to discuss the future land use options with Parties, a study to compile a list of what future land uses are possible / compatible with the cover alternatives that would serve the primary objective of keeping the tailings out of contact with humans and the environment will be carried out and provided as part of the state of knowledge report (Step 2 in the general process). A reasonable estimate of when AANDC could begin discussions with the Parties on the tailings areas future land use options would be late spring 2013.



Diffuser

For the discussions on the diffuser, sensitivity modeling with assumed ice conditions will be prepared with refinement of the model taking place once measured ice data is obtained. Approximately six to eight months are required to complete the sensitivity modelling which would be provided to Parties as part of the state of knowledge report (Step 2). Discussions with Parties about diffuser design, location and objectives could begin in early summer 2013.

Wet Vs. Dry Frozen Blocks

AANDC will be in a position to begin discussing the wet versus dry methodologies with the Parties by spring 2013.

Baker Creek

Discussions with the Parties could begin in late winter 2013 to review the findings of the Sediment Characterization Report and to solicit input on how they would like to see Baker Creek in the future. It is likely that the Parties will want time to “digest” and reflect upon the final Sediment Characterization Report and a number of rounds of discussions may need to be held during 2013.