

## Alan Ehrlich

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**From:** Adrian Paradis [Adrian.Paradis@inac-ainc.gc.ca]  
**Sent:** Wednesday, March 16, 2011 4:52 PM  
**To:** Todd Slack  
**Cc:** Alan Ehrlich; Nicole Spencer  
**Subject:** Clarification on YKDFN Question

Mr. Slack,

The Giant Mine Remediation Project Team has reviewed the Information Requests (IRs) received from the parties to EA08-009. Can you clarify question the 10 (b) from the Yellowknife Dene First Nations.

x. b. It is requested that performance criteria for mine water quality are established for water treatment of the existing and proposed water treatment system. It is requested that contingency actions are detailed for the condition of the mine water quality being in exceedance of the performance criteria.

Thanks,

Adrian Paradis  
Head Technical and Environmental Services Giant Mine Remediation Project wk. 867.669.2425 cl.  
867.446.0579 fax. 867.669.2439

## Alan Ehrlich

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**From:** Todd Slack [tslack@ykdene.com]  
**Sent:** Monday, March 21, 2011 11:01 AM  
**To:** Adrian Paradis  
**Cc:** Alan Ehrlich; Lukas Novy  
**Subject:** YKDFN GIANT Mine IRs - clarification

Morning guys. I'm glad the weather turned a bit for the worse today - it makes being at work during the spring a bit more palatable. I hope you're both as tired as I am from a long weekend...and looking forward to the rest of the week same as I am. -1 on Wednesday!

Turning to business;

- Adrian, the answer is along the lines that I was talking about in the conversation we had at the end of the day on Thursday, but I believe the boys put this in much clearer language. The clarification/addendum can be found below.
- Alan, does the conversation end up on the registry or is it just the results that matter (or when a dispute occurs)?

Any questions, just call.

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i) It is unclear in the DAR what type of mine water treatment system (existing or new proposed system) will be in place during the various planned stages of reflooding the underground mine workings.

It is requested that clarification be provided on what type of mine water treatment system will be operational during the planned stages of reflooding the underground mine workings.

ii) As stated the reflooding of the mine workings is expected to generate poor water quality, specifically with arsenic. It was stated in the DAR that water treatment system will be designed to accommodate the short duration of higher contamination that will occur during the reflooding of the underground mine workings. YKDFN notes that the reflooding of the mine could result in arsenic loadings that exceed in the capabilities of the water treatment system that is in place at that time. Exceedance of the water treatment system capabilities will most likely result in poor effluent water arsenic quality and failure to meet designated discharge criteria. The DAR states that as a contingency measure effluent water that fails to meet the discharge criteria will be recycled through the water treatment plant or returned to underground storage. YKDFN notes that the arsenic loading values that result from reflooding the mine workings could be so high such that contingency measure of recycling effluent water through the treatment plan or returning it to underground storage will not be adequate.

It is requested that the proponent indicate threshold minewater loading values to the operational water treatment system during reflooding and detail corresponding contingency activities if the threshold values are exceeded. It is requested that contingency activities in addition to recycling effluent water or returning it to underground storage are provided.