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Subject: ENR - Water Resources Division topics for Gahcho Kue Interim Closure and Maintenance Workshop
Date: September-23-16 8:10:20 AM

Hi Angela,

As discussed, our comments are still in draft form but I have identified some key areas below that we will wish to discuss at the workshop on October 7th. From Water Resources, Paul Green and I will be attending as well as Lara Fletcher from Brodie Consulting.

PAG Rock/Mine rock

We will have several lines of questioning related to PAG rock and will likely re-visit some of the recent PAG discussions that have occurred during recent reviews as there may be closure implications. Some of the specifics for discussion will include:

- Clarification from the Board on approved uses/storage areas of PAG rock
- Options for management
- Discussion on placement of PAG rock (e.g. final elevations, locations, cover construction, etc)
- Discussion on chemical stability as a closure objective
- Elevation of mine rock placement in 5034
- Potential for underground expansion and closure implications
- Contingencies

Fine PK

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- Questions on capacity
- Contingencies

Coarse PK

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- Research and monitoring results at Diavik and Ekati and implications for closure

Kennady Lake

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Several lines of questioning on Kennady Lake including:

- Closure objectives for Kennady Lake – habitat to support aquatic ecosystem vs establishment of an aquatic ecosystem
- Monitoring requirements/duration for Kennady lake post-closure
- Adaptive management/reclamation research during operations to monitor water quality in Kennady Lake
- Work to be done regarding early restoration of Area 7

Uncertainties related to Kennady Lake post-closure

- Timing of development of numerical closure criteria and water quality modeling for Kennady Lake
- Sediment quality in the pits

Water Management

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- Factors related to decisions regarding transfer of water to Tuzo
- Contingencies regarding water quality predictions and impacts on closure
- Closure criteria related to stability of meromixis
- Potential for underground expansion and closure implications

Raised Lakes

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- Assumptions regarding raised lakes and contingencies

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Other

There will also be other items such as:

- Closure Principles
- Barren kimberlite (or LGO) management
- Overburden/lake sediment storage and management
- Use of overburden in reclamation
- Security comments

Feel free to give me a call if you have any questions or require any additional information.

Rick

PLEASE NOTE NEW PHONE NUMBER BELOW

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