July 10, 2020

Joe Mackenzie
Chair
Wek’éezhii Land and Water Board
1 - 4905 48 St.
Yellowknife, NT X1A 3S3

By Email

Chris Hotson
A/ Executive Director
Wek’éezhii Land and Water Board
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Yellowknife, NT X1A 3S3

Re: EMAB Recommendations for Independent Review Panel Member Preference – WLWB Information Request

Dear Joe and Chris,

The Environmental Monitoring Advisory Board (EMAB) wishes to thank the WLWB for this opportunity to recommend candidates for the Independent Review Panel (IRP).

EMAB has reviewed the list of candidates provide by WLWB. Our view is that there are four critical areas of expertise that the Panel requires: clay hydrodynamics and three sub-categories under the general heading of hydrodynamic water quality modelling – modelling expertise, geochemistry and source term prediction model inputs, and modelling of meromictic behaviour. EMAB is recommending specific individuals in all four categories, and is recommending that one expert in each of the four categories be included on the IRP. Where we have recommended more than one name we do not have a preference for which one is chosen.

1) For expertise in geochemistry and source term prediction for water quality modelling:
   • Either Brenda Bailey or Bill Price

2) For expertise in extra-fine particle behaviour
   • Shahid Azam

3) For expertise in water quality modelling of meromictic behaviour
   • Either Gregory Lawrence or Roger Pieters

4) For expertise in water quality modelling
   • Either Daniel Potts or Scott Tinis

If you require further information, please contact John McCullum at the EMAB office.

Sincerely,

Charlie Catholique
EMAB Chair

CC: EMAB Board and Alternates (by email)
Parties to the Environmental Agreement (by email)
Land/Environment Managers, Aboriginal Parties to the Environmental Agreement (by email)
Hi Kassandra - here is a bit more rationale for the names EMAB put forward for the IRP. As discussed, our intent was for a member from each of the four categories/sub-categories to be appointed to the panel, since EMAB views each of those four areas to be important expertise to include on the panel.

Geochemistry and source term prediction expertise will be important for the overall modelling work. Dr. Bailey and Dr. Price appear to have the most extensive expertise in this area.

For behaviour of fine-grained particles, Dr. Azam seems to have broader expertise in this behaviour (beyond oil sands tailings) than the others.

Dr. Lawrence and Dr. Pieters seem to be the only candidates with modelling experience with respect to meromictic conditions in pit lakes. These conditions are important elements of Diavik's modelling work.

Mr. Potts and Dr. Tinis seem to have more experience with hydrodynamic and water quality related to mining and the types of contaminants likely to be of importance at Diavik than the others.

As noted, within each of the four expertise areas EMAB identified, the Board doesn't have a preference among the experts it proposed.

I hope this helps.

Cheers

John

On 07/10/20 09:33 AM, "John McCullum" <emab1@northwestel.net> wrote:

Hi Kassandra — attached is a letter from EMAB’s Chair recommending members for the Independent Review Panel.

If you have any questions, please let me know.

Cheers

John

John McCullum
Executive Director

Environmental Monitoring Advisory Board

867-766-3682

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John McCullum
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