

**Louie Azzolini**

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**From:** Louie Azzolini  
**Sent:** Friday, October 11, 2002 2:18 PM  
**To:** Bill Beaton Northern Projects Inc. (E-mail); Chris Reid (E-mail); Chuck Blyth (E-mail); Colleen English (E-mail); CPAWS (E-mail); Deh Cho First Nations (E-mail); DFO David Tyson (E-mail); Don Antoine (E-mail 2) (E-mail); Don H. Jack (E-mail); Doug Tate (E-mail); Ecology North (E-mail); Eddie Kolausok (E-mail); Eric Denholm (E-mail); Gary Potts (E-mail); Golder Green Leslie (E-mail); Hay River Dene Reserve (E-mail); Iannick Lamirande (E-mail); J. Peter Campbell (E-mail); Joe Acorn; John Donihee (work) (E-mail); Julie Dahl (E-mail); Laurie Bruno (E-mail); Mark Lange DFO (E-mail); Paul Kraft (E-mail); Paula Pacholek [Yel] (E-mail); Petr Cizek (E-mail); Roland Semjanovs (E-mail); Sierra Legal Defence Fund (E-mail 2); William (Bill) Carpenter (E-mail); WWF Tony Y. (E-mail)  
**Subject:** CZN Draft IR Issued by Review Board for Comment

October 11, 2002

MVEIRB file: EA01-002/003

By Fax (604) 688-2043

Peter Campbell  
Vice-President Project Affairs  
Canadian Zinc Corporation (CZN)  
Suite 1202, 700 West Pender Street  
Vancouver, BC V6C 1G8

Dear Mr. Campbell

**RE: Draft Information Request (IR) to CZN**

The Mackenzie Valley Environmental Impact Review Board (Review Board or Board) has prepared a draft IR for CZN. The Board invites CZN and others participating in the environmental assessment (EA) to provide their comments on the draft IR on or before 5 PM, October 16, 2002. The Board will consider comments before issuing the finalized IR to CZN.

Regards,

Luciano Azzolini  
Environmental Assessment Officer

copy: distribution list

Attachment:

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Canadian Zinc Corporation (CZN) :  
Underground Decline/Exploratory Drilling and  
Metallurgical Pilot Plant Developments

Review Board Information Request No. 1

Effluent Water Treatment

Reference: Sept. 3, 2002 letter to the Review Board from Robert Nault, the Minister of Indian and Northern Affairs Canada (INAC).

ToR Line: Not Applicable

To: Canadian Zinc Corporation

Preamble: In his Sept. 3<sup>rd</sup> letter, Minister Nault stated:

"Canadian Zinc Corporation has not provided a detailed description of its alternative proposal to treat (if necessary) and discharge all effluent (from plant to decline) to the receiving environment if the integrity of the tailings facility is not proven, and the use of the tailings pond is subsequently removed from the development plan. If the Board's intent is that the geotechnical assessment of the tailings pond is to be provided at the regulatory stage, then CZN must be required to provide detail on any proposed treatment options at the assessment stage. The reviewers and the Board must have an opportunity to assess the adequacy of any proposed treatment options and associated impacts should the geotechnical assessment conclude that the use of the tailings pond is not appropriate."

Request: Please provide the following information:

- (a) Describe the equipment and procedures that will be used in the treatment of water effluent from the proposed development.
- (b) Describe the effectiveness of any proposed treatment process to reduce the parameter concentrations referenced in the recently published *Historical Water Quality of the Prairie Creek Project Area*[1], and in regulations, guidelines and Acts that may be applicable.
- (c) Identify parameter concentrations of treated effluent water that can be achieved by using the proposed treatment process. Provide all supporting evidence that the proposed treatment process will achieve these concentrations given any site-specific operating conditions and the nature of the raw effluent.
- (d) Provide an analysis of the environmental impacts, as defined in the

MVRMA, including cumulative impacts, for the discharge of the treated effluent water directly to the environment.

- (e) Assess the impact on the environment of the discharge of any other solid, liquid or gaseous waste products or emissions (e.g., solid content of waste sludge, flue gas of any incinerated materials.)

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[1] Indian and Northern Affairs Canada. (2002). Historical Water Quality of the Prairie Creek Project Area. An analysis of water quality data available for the Prairie Creek area from 1980 to 1999.

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