



Fisheries and Oceans  
Canada

Pêches et Océans  
Canada

Fish Habitat Management  
Suite 101, 5204-50<sup>th</sup> Avenue  
Yellowknife, Northwest Territories  
X1A 1E2

Gestion de l'Habitat du Poisson  
Suite 101 5204, 50<sup>e</sup> Avenue  
Yellowknife (Territoires du Nord-Ouest)  
X1A 1E2

Your file / Votre référence  
EA0809-002

Our file / Notre référence  
YK-08-00114

October 14<sup>th</sup>, 2010

Mackenzie Valley Environmental Impact Review Board  
#200 Scotia Centre  
5102-50<sup>th</sup> Avenue  
Yellowknife, NT  
X1A 2N7

**Via e-mail to:**  
[chubert@reviewboard.ca](mailto:chubert@reviewboard.ca)  
[pmercledi@reviewboard.ca](mailto:pmercledi@reviewboard.ca)

**RE: Canadian Zinc Corporation's proposed Prairie Creek Mine Project – Request for a second round of Information Request**

Fisheries and Oceans Canada (DFO) participated in the technical session for Canadian Zinc Corporation's (CZN) proposed Prairie Creek Mine Project on October 6<sup>th</sup> to 9<sup>th</sup>, 2010 in Dettah and would like to provide the following letter as a formal request to the Board to consider an additional round of information requests prior to initiating the technical submission and hearing phase of the environmental assessment.

Based on the outcome of the technical session and our review of CZN's responses to our initial information request, DFO is of the opinion that we are still lacking the basic information required to make a determination of whether the project will require an authorization under the *Fisheries Act* and to properly assess the potential impacts of the project on fish and fish habitat.

The following is a list of some of the specific areas where DFO will require additional information:

- **Water withdrawal**
  - o Location of predicted water withdrawals and estimates of water quantities at each location.
  - o Assessment of potential downstream impacts on fish and overwintering habitat including information on possible changes to available dissolved oxygen.
- **Culvert and effluent plume**
  - o Details on the total footprint of the pipe and description of any additional protection measures for anchoring the culvert to bed of Prairie Creek.
  - o Description of the physical characteristics of the plume, including modelling for Total Suspended Solids (TSS) and prediction of possible impacts and avoidance by fish.
- **Access Road and crossings**
  - o Preliminary design, including how considerations for sediment and erosion control measures have been incorporated into the overall design.
  - o Identify any potentially vulnerable sections of the road, specifically where additional armouring or stabilization may be required.

CZN has made commitments and provided additional information to parties during the technical meetings that will require review and additional time to consider. This

**Canada**

information is needed prior to DFO being able to develop our technical submission. We hope the Board will also consider this in the overall timeline of the environmental assessment and that parties will be given adequate time to review these materials prior to the next stage of the environmental assessment.

DFO would like to thank the Board for considering our request for an additional round of information requests. If you have any questions, please feel free to contact Sarah Olivier at (867) 669-4919, by fax (867) 669-4940, or email at [Sarah.Olivier@dfo-mpo.gc.ca](mailto:Sarah.Olivier@dfo-mpo.gc.ca).

Sincerely,



Beverley Ross  
Regional Manager, Environmental Assessment for Major Projects  
Central and Arctic Region  
Fisheries and Oceans Canada

cc Kelly Austin, Fisheries and Oceans Canada  
Lorraine Sawdon, Fisheries and Oceans Canada