



Fisheries and Oceans  
Canada

Pêches et Océans  
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Your file / Votre référence  
EA0809-002

Our file / Notre référence  
YK-08-00114

June 3<sup>rd</sup>, 2011

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)

**RE: Fisheries and Oceans Canada – Technical Submission for Canadian Zinc Corporation's proposed Prairie Creek Mine Project**

Fisheries and Oceans Canada (DFO) is pleased to provide the Mackenzie Valley Environmental Impact Review Board (MVEIRB) with our technical submission for Canadian Zinc Corporation's Prairie Creek Mine environmental assessment. DFO's technical submission and appendices can be found in the attached document.

Although some of our concerns have been addressed by the proponent in the Developer's Assessment Report (DAR), addendums to the DAR, responses to two rounds of Information Requests, and the information provided as part of the two Technical Sessions, DFO still has a number of outstanding issues, including:

- Construction and operation of the effluent outfall (potential *Fisheries Act* authorization) and potential impacts due to:
  - Sedimentation at the site of discharge;
  - Change in flow and temperature regimes in Prairie Creek;
  - Potential for impacts to fish passage and overwintering habitat.
- Mitigation measures and monitoring to ensure protection of fish and fish habitat downstream of the effluent outfall;
- Assessment of water sources for winter water withdrawals; and
- Mitigation measures to ensure protection of fish and fish habitat along the winter road during operation and at closure;

DFO looks forward to participating in the community hearings in Nahanni Butte on June 22<sup>nd</sup> and the public hearing on June 23 & 24, 2011 in Fort Simpson. If you have any questions, please do not hesitate to contact Sarah Olivier at (867) 669-4919, or email at [Sarah.Olivier@dfo-mpo.gc.ca](mailto:Sarah.Olivier@dfo-mpo.gc.ca).

Sincerely,

Bob Lambe  
Regional Director General  
Central and Arctic Region  
Fisheries and Oceans Canada

cc Beverley Ross, Fisheries and Oceans Canada  
Tom Hoggarth, Fisheries and Oceans Canada  
Lorraine Sawdon, Fisheries and Oceans Canada  
Larry Dow, Fisheries and Oceans Canada

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