EA0809-002

April 13, 2011

David Harpley
V.P. Environment and Permitting Affairs
Canadian Zinc Corporation
Suite 1710-650 West Georgia Street
Vancouver, B.C. V6B 4N9

Dear Mr. Harpley:

Re: April 12, 2011 Technical Meeting – Commitment to provide information

During the April 12, 2011 Technical Meeting in Yellowknife, Canadian Zinc Corporation committed to provide in writing to the Mackenzie Valley Review Board the following information. Canadian Zinc indicated that the majority of this information could be provided by April 22, 2011 and the remainder would be provided shortly thereafter.

1. Review of error on Table F5, Appendix F for treated mine water during low flows (8L/s rather than 80L/s), including implications to Appendix D, Tables 5 and 8.
2. Analysis of the likelihood of the return period for the documented 1 in 16 year Prairie Creek low flow.
3. Time periods between first and second set of TIE tests i.e., dates for each test.
4. Tailings management: volume of DMS waste rock diverted to waste rock pile.
5. Compile a list of operational contingency plans in the event that mine effluent cannot be discharged into Prairie Creek.
6. Velocity of the effluent discharge for each exfiltration pipe. For each of the modeling scenarios (max, mean and minimum open water and max, mean, and minimum ice cover), the projected velocity increase at the boundary of the IDZ as result of flow and effluent.
7. Review of transcription error in Appendix L, table 1 (i.e., mean depth and max depth) and any implications this error may have to modeling.
8. Background information and examples of the use of exfiltration discharge design in other locations
9. Cross sectional percentage of the discharge flow area relative to Prairie Creek as a whole for each flow scenarios (max, mean and minimum open water and max, mean, and minimum ice cover).
10. Expected effluent output parameters from the sewage treatment plant.

11. Examine Northern Species Sensitivity Distribution Approach to establishing SSWQO for Copper, Cadmium Zinc, and Mercury for fish relative to the general guidelines.
12. Predictions of impacts of nutrient enrichment to the receiving environment.
13. Ecological consequences of SSWQO for cadmium, zinc, and mercury.

Please provide the information requested within the timeline indicated above, recognizing that parties require a response in order to prepare technical reports.

If you have any questions, please contact me by phone or email.

Sincerely,

Chuck Hubert
EA Officer
Mackenzie Valley Review Board