



Canadian Nuclear
Safety Commission

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April 16, 2010

C. Fahey
Project Director
Atomic Energy of Canada Limited
Port Hope Area Initiative Office
Chalk River Laboratories
Chalk River, ON, K0J 1J0

Subject: Port Hope Project - Actions Required as Result of the 12(2) Request for Information for Welcome Waste Management Facility

Dear Ms. Fahey:

The purpose of this letter is to advise AECL that resulting from the information submitted by Cameco Corporation under the Request for Information pursuant to Subsection 12 (2) of the *General Nuclear Safety and Control Regulations: Effluent Discharge Releases at Welcome Waste Management Facility*, CNSC staff has required Cameco to take the following actions to prevent or mitigate effects on the environment and to control the releases of nuclear and hazardous substances into the environment [1]:

- By the end of May 2010, submit an action plan for modification of the collection ponds for increasing their capacity and avoiding emergency discharges to Clark's ditch during events of heavy precipitations.
- Submit to the CNSC the results of acute toxicity testing performed during 2009. It is expected that this will include results from 12 consecutive months of toxicity tests. The licensee is required to continue performing monthly toxicity tests for the remaining operating life of the current Welcome WMF.

Licence WNSL-W1-2310-00/2014 issued to AECL for the Port Hope Long-Term Low-Level Radioactive Waste Management Project is now in effect. In their response of March 26, 2010 [2] to CNSC correspondence in relation to the closure of the 12(2) Request for Information for Welcome WMF [1], Cameco indicated that they have shared the information with AECL.

CNSC staff requires that AECL submits an action plan addressing the above listed actions.

Please feel free to contact me if you have any questions.

Sincerely,



M. Kostova
Project Officer
Wastes and Decommissioning Division

c.c.: J. Walker (AECL)

References:

- [1] CNSC Letter to Cameco Corporation "Request for Information pursuant to Subsection 12(2) of the *General Nuclear Safety and Control Regulations*: Effluent Discharge Releases at the Welcome Waste Management Facility". March 4, 2010. CNSC E-doc: 3499816.
- [2] Cameco Response to CNSC Letter "Request for Information pursuant to Subsection 12(2) of the *General Nuclear Safety and Control Regulations*: Effluent Discharge Releases at the Welcome Waste Management Facility". March 26, 2010. CNSC E-doc: 3529851.