



Canadian Nuclear
Safety Commission

Commission canadienne
de sûreté nucléaire

P.O. Box 1046, Station B
Ottawa, Ontario
K1P 5S9

C.P. 1046, Succursale B
Ottawa (Ontario)
K1P 5S9

Fax: (613) 995-5086

Télécopieur : (613) 995-5086

Directorate of Nuclear Cycle
and Facilities Regulation

Your file Votre référence

Our file Notre référence

4.05.02 / 37-26-0-0

Telephone: 613-992-8110

June 25, 2010

Dave Boyce
Manager Waste Facility Operations
Port Hope Area Initiative Management Office
5 Mill St South
Port Hope, ON, L1A 2S6

**Subject: Port Hope Project – CNSC Comments on AECL Work Plan to Increase
Collection Pond Capacity at the Welcome Waste Management Facility**

Dear Mr. Boyce:

Canadian Nuclear Safety Commission (CNSC) has reviewed the Work Plan to Increase Collection Pond Capacity at the Welcome Waste Management Facility (WMF) submitted by AECL on 2010 June 18 [1].

CNSC staff is advising AECL that as part of the information requested under the 12(2) Request for Information issued to Cameco Corporation for the Welcome WMF, Cameco has submitted a Summary of the Current Design [Water Collection and Treatment System] Report for the Welcome WMF. CNSC staff has provided Cameco with detailed comments on the current design summary report and requested Cameco to take them in consideration when addressing the actions required following the 12(2) Request for Information [2]. For you information, the CNSC letter and detailed comments sent to Cameco on December 22, 2009 are provided as an attachment.

Before approving the AECL's work plan for modification of the east and west collection ponds at Welcome WMF, CNSC staff requires that AECL provide the following additional information:

1. AECL is required to demonstrate that stability analysis has been considered for the proposed configuration of the modified berm.
2. AECL is required to confirm whether additional measures have been considered to demonstrate adequate monitoring associated with increases in pond leakage resulting from berm modification. CNSC staff recommends that AECL review their current groundwater monitoring program to determine if any changes are warranted due to this proposed berm modification, including but not limited to more frequent monitoring of pond water levels and groundwater.

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

Sincerely,



M. Kostova
Project Officer
Wastes and Decommissioning Division

cc C. Fahey (AECL)
H. Zhang, J. Thelen (CNSC)

Attachment (CNSC Letter to Cameco Corporation of December 22, 2009 CNSC Staff Review of Current Design Summary Report for Welcome Waste Management Facility, CNSC E-doc # 3472349)

References:

- [1] Port Hope Project: Work Plan to Increase Collection Pond Capacity at the Welcome Waste Management Facility". D. Boyce (AECL) to M. Kostova (CNSC). June 18, 2010. CNSC E-doc: 3565391.
- [2] CNSC Staff Review of Current Design Summary Report for Welcome Waste Management Facility. M. Kostova (CNSC) to T. Smith (Cameco). December 22, 2009. CNSC E-doc: 3474329.