



Regulatory Operations Branch

December 22, 2011

File No.: 26-1-54-0-0 / 4.14.02  
e-Doc 3855996  
ccm Mercury 2011-000628

Mr. R. Lesco  
Vice-President Operations and  
Chief Nuclear Officer Designate  
Atomic Energy of Canada Limited  
Chalk River Laboratories  
Chalk River ON K0J 1J0

**Subject: Request Pursuant to Subsection 12(2) of the *General Nuclear Safety and Control Regulations*: Lessons Learned from Japanese Earthquake**

Dear Mr. Lesco:

This is to acknowledge receipt of your December 16, 2011 submission [1] concerning Atomic Energy of Canada Limited's (AECL) review of the Fukushima event and its impact on the nuclear facilities at the Chalk River Laboratories (CRL) site.

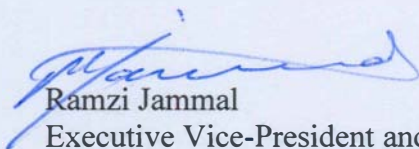
Based on Canadian Nuclear Safety Commission (CNSC) staff evaluation and recommendation to me regarding the National Research Universal (NRU) reactor, I confirm that AECL has provided the required implementation schedule for short- and long-term safety enhancements to address the CNSC 12(2) request [2] and subsequent comments [3], and I wish to inform you that this request is now met. The CNSC expects that AECL will fulfill its commitments to implement each of the proposed safety enhancements for the NRU reactor, as tabulated in your submission [1].

Concerning other facilities at the CRL site, the CNSC 12(2) request [2] will be closed upon receipt from AECL of the detailed information and corresponding timelines, for both areas covered in sections 2 and 3 of your earlier submission of July 28, 2011 [4].

I also wish to inform you that the CNSC Management Committee is currently reviewing the CNSC Fukushima Task Force conclusions and recommendations on Canadian Nuclear Power Plants (NPP), and is developing a comprehensive *Action Plan* for the disposition of each recommendation. The *Action Plan* for NPP will be adapted, as applicable, for CRL facilities. In accordance with the CNSC regulatory oversight process, Mr. Christian Carrier, the Director of CNSC Nuclear Laboratories and Research Reactors Division, will raise CRL-specific action items to track completion of proposed evaluations and implementations of identified enhancements.

If you have any questions related to this matter, please do not hesitate to contact me at (613) 947-8899 or by e-mail at [Ramzi.Jammal@cnsccsn.gc.ca](mailto:Ramzi.Jammal@cnsccsn.gc.ca).

Yours sincerely,



Ramzi Jammal  
Executive Vice-President and  
Chief Regulatory Operations Officer

c.c.: T. Arthur (AECL) J. Osborne (AECL) P. Elder (CNSC)  
A. Ashworth (AECL) J.R. Walker (AECL) C. Carrier (CNSC)  
J.A. Bond (AECL) R. Walker (AECL) CNSC Site Office (CNSC)  
S. Bushby (AECL) A.J. White (AECL)  
C. de Vries (AECL) CR Licensing (AECL)  
J.D. Garrick (AECL) SRC (AECL)  
Ops\_Regulatory (AECL)

#### References:

- [1] AECL letter, R. Lesco to R. Jammal, "*Request Pursuant to Subsection 12(2) of the General Nuclear Safety and Control Regulations: Lessons Learned from Japanese Earthquake*", December 16, 2011, CRL-ACNO-11-0041-L (e-Doc 3855883).
- [2] CNSC letter, R. Jammal to E. S. Drumhiller, "*Request Pursuant to Subsection 12(2) of the General Nuclear Safety and Control Regulations: Lessons Learned from Japanese Earthquake*", March 17, 2011 (e-Doc 3694403).
- [3] CNSC letter, R. Jammal to R. Lesco, "*Request Pursuant to Subsection 12(2) of the General Nuclear Safety and Control Regulations: Lessons Learned from Japanese Earthquake*", August 12, 2011 (e-Doc 3775947).
- [4] AECL letter, R. Lesco to R. Jammal, "*Request Pursuant to Subsection 12(2) of the General Nuclear Safety and Control Regulations: Lessons Learned from Japanese Earthquake*", July 28, 2011, CRL-ACNO-11-0027-L (e-Doc 3768790).