



Canadian Nuclear
Safety Commission

Commission canadienne
de sûreté nucléaire

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Word Ref. E-Docs # 3694377

PDF Ref. E-Docs # 3694378

File # 4.01.02

March 17, 2011

Mr. Frank Saunders
Vice-President, Nuclear Oversight and Regulatory Affairs
P.O. Box 1540, Building B32
177 Tie Road
Tiverton, Ontario N0G 2T0
Canada

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

Dear Mr. Saunders:

Further to the serious situation that is occurring at the Fukushima site in Japan, and pursuant to my authority as a person authorized by the Commission for the purposes of subsection 12(2) of the *General Nuclear Safety and Control Regulations*, I request that major nuclear facilities in Canada, namely all nuclear power plants and AECL's Chalk River Laboratories, complete the following actions by April 29, 2011:

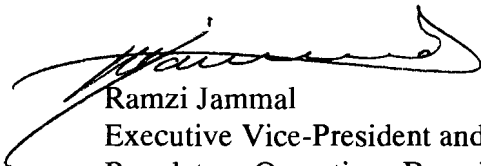
- review initial lessons learned from the earthquake in Japan and re-examine the safety cases of nuclear power plants, in particular the underlying defence-in-depth concept, with focus on:
 - external hazards such as seismic, flooding, fire and extreme weather events;
 - measures for prevention and mitigation of severe accidents;
 - emergency preparedness; and
- report on implementation plans for short-term and long-term measures to address any significant gaps.

Please note that, in accordance with subsection 12(2) of the *General Nuclear Safety and Control Regulations*, you are required to file a report by April 1, 2011, with the Commission that contains the following information:

- a) confirmation that the request will or will not be carried out or will be carried out in part;*
- b) any action that you have taken to carry out the request or any part of it;*
- c) any reasons why the request or any part of it will not be carried out;*
- d) any proposed alternative means to achieve the objectives of the request;*
and
- e) any proposed alternative period within which you propose to carry out the request.*

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

Yours truly,



Ramzi Jammal
Executive Vice-President and Chief Regulatory Operations Officer
Regulatory Operations Branch

c.c.: M. Binder, T. Jamieson, J. Cameron, G. Rzentkowski, J. Lavoie,
G. Frappier