



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

Your file Votre référence

Directorate of Nuclear Cycle
and Facilities Regulation

Our file Notre référence

4.05

March 21, 2011

Ms. Joan Miller
Atomic Energy of Canada Limited
Chalk River Nuclear 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 Ms. Miller:

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 class 1 nuclear facilities, for Douglas Point, Gentilly 1 and NPD complete the following actions by April 29, 2011:

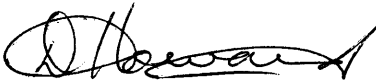
- review initial lessons learned from the earthquake in Japan and re-examine the safety cases in particular the underlying defence-in-depth concept, with focus on:
 - external hazards such as seismic, flooding, fire and extreme weather events;
 - measures for prevention and mitigation of severe accidents;
 - 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 8, 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) 995-1770 or by e-mail at Don.Howard@cnsccsn.gc.ca.

Yours truly,



Don Howard
Acting Director General

c.c.: M. Binder, T. Jamieson, J. Cameron, P. Elder, J. Lavoie, G. Frappier, R. Jammal
J. LeClair, B.R. Ravishankar - CNSC