



Oral presentation

Submission from Michel Duguay

In the Matter of the

Canadian Nuclear Laboratories

Application for the renewal of the Nuclear
Research and Test Establishment Operating
Licence for the Chalk River Laboratories

Commission Public Hearing

January 23-25, 2018

Exposé oral

Mémoire de Michel Duguay

À l'égard des

Les Laboratoires Nucléaires Canadiens

Demande de renouvellement du permis
d'exploitation d'établissement de recherche
et d'essais nucléaires pour les Laboratoires
de Chalk River

Audience publique de la Commission

23-25 janvier 2018

From: Michel A. Duguay
Sent: Monday, December 11, 2017 4:44 PM
To: Interventions (CNSC/CCSN)
Subject: Contribution to Pembroke hearing

Ladies and Gentlemen at the CNSC/CCSN,

I would like to make an oral (via Internet or the telephone) presentation at the Pembroke public hearing on 24-25 January 2018. I enclose here below a summary.

My personal data are:
Michel Duguay, Professor at Laval University,
Dept. of electrical and computer engineering

Thank you for your attention,

Michel Duguay

Two-year licence recommendation for AECL/CNL at Chalk River

Given the long-term consequences of decisions regarding the processing and the storage of intermediate radioactive waste at Chalk River, it seems to me reasonable to grant the AECL/CNL consortium a licence for only two years. This short-duration licence will give the CNSC and the public intervenors a better chance to keep a vigilant eye on what the AECL/CNL consortium is planning to do.

I find particularly troublesome that the consortium is already inviting nuclear manufacturers to develop at Chalk River the so-called "Small Modular Reactors". Such a development will entail the possibility of a nuclear accident that could pollute the Ottawa river, the source of drinking water for Ottawa, Montreal and numerous other cities.

More than eight times in the history of nuclear reactors the operators have lost control of a nuclear reactor. Ontario is a very large province; isn't there a place elsewhere for the new CNL venture with small modular reactors?

I fail to see how their modular nature would make them immune to severe accidents. Regarding the radioactive waste to be stored, one needs much time to analyze what could happen over the multacenturies time scale involved. A new look from public intervenors after two years is highly desirable.