



**Written submission from
Harald Simon**

**Mémoire de
Harald Simon**

In the Matter of

À l'égard de

**Ontario Power Generation Inc.,
Pickering Nuclear Generating Station**

**Ontario Power Generation Inc.,
centrale nucléaire de Pickering**

Request for a ten-year renewal of its Nuclear Power Reactor Operating Licence for the Pickering Nuclear Generating Station

Demande de renouvellement, pour une période de dix ans, de son permis d'exploitation d'un réacteur nucléaire de puissance à la centrale nucléaire de Pickering

Commission Public Hearing – Part 2

**Audience publique de la Commission –
Partie 2**

June 2018

Juin 2018

From: Harald Simon
Sent: Thursday, May 03, 2018 11:00 PM
To: Interventions (CNSC/CCSN)
Subject: Hearing Number Ref.: 2018-H-03

Louise Levert,
Secretariat,
Canadian Nuclear Safety Commission
280 Slater St., PO Box 1046
Ottawa, ON K1P 5S9

Via Email: cns.interventions.ccsn@canada.ca

Dear Commissioners,

I have some serious concerns regarding extending the licence to operate the Pickering nuclear power station beyond the reactors' 2014 designed lifespan. In Fukushima each compromised reactor had a dedicated back up emergency cooling system, whereas all working Pickering reactors currently share a common emergency core cooling containment safety system, which is much less robust.

Foremost among these is the fact that it is no longer socially responsible to operate a reactor in the Greater Toronto Area (GTA) due to the increased population base in close proximity to the plant. Yonge Street is 30 km from Pickering. The government has not demonstrated that it can safely evacuate the million people living within a 20 km radius of the station. There is very limited legislated accident liability of the operator, Ontario Power Generation, thereby requiring public funding to pay for emergency measures.

There is no justified benefit for the risk associated with operating the Pickering nuclear power plant considering that the majority of the power is exported. The high cost of nuclear generated kilowatts attributed to refurbishing Pickering cannot compete with the economical hydro electricity available from Quebec guaranteed contractually for many years. Now the Findings, Conclusions and Recommendations of the Report of the 2009 Canada Power Grid Task Force Electricity: Interconnecting Canada - A Strategic Advantage by the Canadian Academy of Engineering promoting an east-west rather than the current north-south power grid should finally be given greater credence and consideration for the inherent cost savings.

There needs to be a strategic environmental assessment on the most environmentally responsible and socially just manner to dismantle and safely manage the cleanup, storage and security of a decommissioned Pickering power station including more robust long term storage of radioactive waste.

For these reasons I ask the Commissioners to consider not extending the operating licence of the Pickering power station beyond its current design lifespan. Thanking you in advance for your kind attention to the issues I have raised.

Sincerely,

Dr. Harald Simon