



Oral Presentation

Submission from Kimberly Grant-Stuart

In the Matter of

Ontario Power Generation Inc., Pickering Nuclear Generating Station

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

Commission Public Hearing – Part 2

June 2018

Exposé oral

Mémoire de Kimberly Grant-Stuart

À l'égard de

Ontario Power Generation Inc., centrale nucléaire de Pickering

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

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

Juin 2018

Submitted by email on May 7, 2018

Canadian Nuclear Safety Commission-Commission canadienne de sûreté nucléaire

**Written Submission from
Stuart
Kimberly Grant-Stuart**

Mémoire d' Kimberly Grant-

In the matter of

À l'égard de

Ontario Power Generation Inc.

Ontario Power Generation Inc.

Application to renew the Power

**Demande concernant le renouvellement
du permis d'exploitation pour la centrale
nucléaire Pickering**

**Reactor Operating licence for the
Pickering Generating Station**

Dear Canadian Nuclear Safety Commission,

I am writing to the commission to express my concern as a private citizen of Toronto and Ontario about the safety of keeping the Pickering Nuclear Generating Station open beyond 2020. I want to express my ultimate concern as I have heard about the underlying risks it poses to not only the local environment but also the local population. The city of Pickering borders Scarborough, Toronto, Ajax, and other parts of the GTA. In total, that accounts for up to 5.6 million people living within the vicinity of this plant (30 km) .



I would like to take this opportunity to express my deepest concerns for the local environment which includes the wildlife and local residents that live within Pickering. The federal government has already acknowledged the the Pickering Nuclear Generating station is responsible for “Close to one million fish and 62 million fish eggs and larvae die each year when they’re sucked into the water intake channel in Lake Ontario, which the plant uses to cool steam condensers.

The fish, which include alewife, northern pike, Chinook salmon and rainbow smelt, are killed when they’re trapped on intake screens or suffer cold water shock after leaving warmer water that’s discharged into the lake.

The Canadian Nuclear Safety Commission has told Ontario Power Generation, which operates the plant, to reduce fish mortality by 80 per cent. And in renewing Pickering A station’s operating licence last month, the nuclear regulator asked for annual public reports on fish mortality and the effectiveness of steps OPG is taking to reduce rates” (Toronto Star). Not only does this pose a threat for local wildlife but could possibly the nuclear radiation can be harmful to the local public water supply that residents rely on to go about life. In 1994, Pickering A was the site of Canada’s worst accident at a commercial nuclear station. On December 10, 1994, a pipe break at Pickering reactor 2 resulted in a major loss of coolant accident and a spill of 185 tonnes of heavy water. The Emergency Core Cooling System was used to prevent a meltdown.

About 200 workers were involved in the cleanup. And on April 15, 1996, Pickering reactor 4 had a heavy water leak from a heat exchanger that resulted in a release of 50 trillion becquerels of tritium into Lake Ontario. I am concerned because Canada as a nation, we are known for the plethora of natural resources such as the many lakes and rivers that encompass the nation. Keeping Pickering Generating Station open poses a risk to local residents through their access to natural resources. For residents that live within a 10 km radius to the plant, were mailed KI iodine tablets in the event of the emergency. What troubles me is the government and the Ontario Power Generation have acknowledged the risk it poses to the population by mailing these tablets to local residents. What is most troubling is that these tablets were not mailed to residents who live within the borders of Pickering, for example, residents of Scarborough and east Toronto. As a native of Toronto, I find this most troubling to be excluded from emergency planning. If you speak to residents that live closeby, many of them share the same concerns about the plant. There remains to be a lack of knowledge about the risks it poses to the public. I also would like to express my interest in making an oral presentation to CNSC during the public hearing.

This month alone, Toronto City Council has decided to update their emergency planning system by requesting the CNSC and the OPG about the significant risk the Pickering station remains to residents of Toronto.

“b. request the Canadian Nuclear Safety Commission and the Provincial government to ensure awareness campaigns are in place to inform Torontonians on how to prepare for a nuclear accident at the Pickering or Darlington nuclear stations;

c. reiterate the City's ongoing concern regarding the lack of a clear justification to support limiting the delivery of Potassium Iodine (KI) pills to the current 10 kilometre zone;” (Toronto City Council)

I invite the OPG and the CNSC to formally conduct an environmental assessment for residents and local wildlife and consult with parties I have named below because all of these sectors of government are establishing residents as potential ‘collateral damage’ if a nuclear threat were to occur. There is no plan in place in the event of an accident, spill or emergency. By public knowledge, there is only a plan in place if a ballistic missile were to hit Canada. Keeping Pickering Nuclear Station open beyond 2020 will pose a risk to public safety for GTA residents,

local wildlife, become an potential environmental disaster, will force millions of residents to flee without a proper evacuation plan in place. There already remains a housing crisis in Ontario where there is not enough affordable housing for residents of Ontario. It would be a great shame for the government to let another crisis unfold. Ontario has the biggest population of people in Canada and the fact that there is no emergency management plan in place that is shared within cities and towns of the GTA is most troubling. Moving forward, I would like the people I have named below to sit down, come together and listen to the public's concerns surrounding the plant.

Jeffrey J. Lyash- President and CEO of Ontario Power Generation

Dr. Michael Binder- President and CEO of Canadian Nuclear Safety Commission

Kathleen Wynne-Premier of Ontario

Glenn Thibeault-Minister of Energy

Nathalie Des Rosiers- Minister of Natural Resources

Yours truly,

Kimberly Grant-Stuart

(concerned citizen).