



**Written submission from
Marilyn Hay**

Mémoire de Marilyn Hay

In the Matter of the

À l'égard d'

Ontario Power Generation Inc.

Ontario Power Generation Inc.

Application for a licence to construct one BWRX-300 reactor at the Darlington New Nuclear Project Site (DNNP)

Demande visant à construire 1 réacteur BWRX-300 sur le site du projet de nouvelle centrale nucléaire de Darlington (PNCND)

**Commission Public Hearing
Part-2**

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

January 8, 2024

8 janvier 2024

From: Marilyn Hay
Sent: November 3, 2024 11:51 PM
To: Interventions / Interventions (CNSC/CCSN)
Subject: Note to Oppose the BWRX-300 Reactors Planned for Darlington

EXTERNAL EMAIL – USE CAUTION / COURRIEL EXTERNE – FAITES PREUVE DE PRUDENCE

My name is Marilyn Hay and I am a resident of Kitchener Ontario.

I am vehemently opposed to the BWRX-300 reactors being constructed at Darlington. Ontario Power Generation intends to construct four boiling water reactors at the Darlington Nuclear Generating Station, and has submitted a license to construct the first of the four. I would like you to refuse to issue the Licence to Construct.

I am concerned about climate change and the delays in real climate action brought about when utilities and governments commit to nuclear energy which historically has been plagued by costs vastly exceeding budgets and construction timelines far in excess of our urgent need for alternatives to fossil fuels. Specifically, the costs of generating new nuclear capacity are in the tens of billions of dollars - all while we now know that the costs of generating clean, renewable energy are already less even than the traditional oil and gas costs. The climate crisis is upon us now, and we must aggressively and substantially cut emissions over the next 5 years to stave off even more catastrophic outcomes than we are already suffering globally. It will take at least a decade to bring these proposed new reactors online.

As a resident in Southwestern Ontario I am also extremely concerned about the risk of a nuclear accident as well as the risk posed by the production of what amounts to weapons grade plutonium - the nuclear fuel required.

For more than 70 years, we have absolutely failed to deal with the highly toxic waste generated in the production of nuclear power and there are still no viable plans to do so. It can take between 500,000 and one million years for this waste to stop being deadly and we have no concept about how to monitor, maintain, and ensure the security of the long term storage of the waste we already have. Given that there is no satisfactory solution to manage nuclear waste we already have, the plan to add more is irresponsible, especially when there are cheaper, cleaner energy sources - wind, solar, hydro, energy efficiencies and battery storage - already available. The long-term burden of nuclear waste, including current proposals by the nuclear industry to transport, process, bury and abandon all of Canada's high-level nuclear waste in a single location within the Great Lakes basin is staggering in its scope for disaster and will threaten hundreds of generations to come. Incomprehensibly, OPG claims that they don't have to address radioactive waste at the License to Construct stage because they won't be generating any nuclear waste during construction!

There remain unresolved issues regarding emergency shutdown procedures and the design of the BWRX-300 reactor has not been finalized. Darlington, located in the most densely populated corridor

of Canada, poses safety threats to millions of people on both sides of the Canada USA border, to the prime farmland of the Greater Golden Horseshoe and to the Great Lakes Water System.

Once again, for all of these reasons I strongly encourage you to refuse to issue the Licence to Construct. I am not requesting to be present at the hearing in January, 2025

Marilyn Hay