



**Written submission from
Julia Hansen**

**Mémoire de
Julia Hansen**

In the Matter of the

À l'égard de la

**New Brunswick Power Corporation,
Point Lepreau Nuclear Generating Station**

**Société d'Énergie du Nouveau-Brunswick,
centrale nucléaire de Point Lepreau**

Application for the renewal of NB Power's
licence for the Point Lepreau Nuclear
Generating Station

Demande de renouvellement du permis
d'Énergie NB pour la centrale nucléaire de
Point Lepreau

**Commission Public Hearing
Part 2**

**Audience publique de la Commission
Partie 2**

May 11 and 12, 2022

11 et 12 mai 2022

From: Julia Hansen
Sent: March 10, 2022 1:18 PM
To: Interventions / Interventions (CNSC/CCSN)
Subject: Intervention PLNGS Hearing Ref. 2022-H-02

To the Canadian Nuclear Safety Commission hearing committee,

Please consider this email my written intervention to the Canadian Nuclear Safety Commission, regarding the licence renewal of the NB Power Point Lepreau Nuclear Generating Station.

I am a concerned resident of New Brunswick (unceded Wolastoq, Mik'maq and Passamaquoddy territory) currently living in Fredericton. I am a registered nurse and a volunteer active with numerous civil society organizations working on climate justice. I deeply concerned about our present and future world if we choose to invest in nuclear over renewables.

I do NOT support the renewal of NB Power's licence of PLNGS for 25 years. Nor do I support any further investment in nuclear energy in New Brunswick.

I am opposed for various reasons:

- Further investment or licensing for nuclear is a distraction from investing in renewables, that are already proven safe, effective and reliable for meeting our energy needs. If we are to meet net-zero by 2040, we must invest in renewables now and move away from dirty energy like fossil fuels and nuclear. Nuclear waste is not clean. Nuclear spills are not clean.
- I am concerned about the impact on our environment from nuclear power. Aside from the catastrophic effects of a spill or waste contamination, the Lepreau nuclear plant is killing fish in the Bay due to entrainment from the water intake. It also emits radioactive tritium, a carcinogen, into air and water. Canada's current "safe" limits for tritium are many times higher than in other countries. The CNSC must require emergency response and environmental monitoring measures be in place which are specific to the non-human biota of the Bay of Fundy. The CNSC must not grant a licence until it is demonstrated that the Bay of Fundy region is protected from radionuclide emissions at the ecosystem level and that it will be protected in the event of an accident.
- A 25 year license is not democratic. It does not allow for public input on this project for half a century. This is unacceptable. Instead, the CNSC should continue to consider 5-year relicensing periods, to ensure regular public review allowing for public input to planning as patterns emerge, and before choices are forced.
- I am concerned about nuclear weapons proliferation. NB Power is supporting the development of a reprocessing plant that will extract plutonium from the spent (irradiated) fuel made by the Lepreau Nuclear reactor. Extracting plutonium raises concerns about nuclear weapons proliferation.
- Lepreau is located on the traditional, unceded territory of the Peskotomuhkati people. The CNSC must affirm its commitment to reconciliation, fully adopt UNDRIP, and support Treaty relationships based on the principles of mutual recognition and shared responsibilities as recommended by the Truth and

Reconciliation Commission of Canada's Calls to Action. Therefore, I recommend that the
Peskotomuhkati Intervention recommendations are followed.

Thank you for your time. Please acknowledge receipt of this email.

Julia Hansen

she/her/elle

Fredericton, NB