



**Written submission from
Elizabeth Lee**

**Mémoire d'
Elizabeth Lee**

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: Elizabeth Lee
Sent: March 18, 2022 7:31 PM
To: Interventions / Interventions (CNSC/CCSN)
Subject: SUBJECT : Intervention PLNGS Hearing Ref. 2022-H-02

This email is my written intervention to the Canadian Nuclear Safety Commission, regarding the proposed licence renewal of the NB Power Point Lepreau Nuclear Generating Station.

I am 73 years old, who moved two and one-half years ago to the Northern Peninsula, St. Anthony, Newfoundland & Labrador. I have lived over 50 years in northern Canada, British Columbia, Alberta, Manitoba, Saskatchewan, Yukon, Northwest Territories. I have three children, seven grandchildren, three great-grandchildren and dozens of adopted youth, who I advocate for a safe future for their future.

The youth of today are tasked with the most unattainable goals in the earth's lifetime. Forced to live within the constraints of their lives by decisions made in their absence, with no voice or power. This speaks to the unwillingness of the adult generation to consider what our youth of tomorrow would choose for their lives. Decisions on climate change, global water shortages, fossil fuel wars, ongoing nuclear development projects are defined without future generations' choices.

Canada with its inexhaustible wave, solar and wind energy projects, within the Atlantic provinces and Arctic territories are impeded only by the political will and dependence on fossil fuels. The nuclear industry testifies it is a safe, sustainable, clean source. This is an absolute untruth.

The CNSC must not allow any licensing extension beyond a maximum of five years for the Point Lepreau reactor. *That plant is already a danger to people and the environment. Accumulation of radioactive wastes, no known method or formula of disposal will become more dangerous and harmful. Research and documentation of disposal of all or in part of radioactive wastes has a period of 10,000 years minimum. It is incredulous that Canada will entertain such a risk globally, nationally, locally to populations, disregarding the numerous research undertaken on the consequences of radioactive poisoning on flora, fauna, mammals, water, air, all mammal species, and all natural microbes.*

I have many reasons for opposing further licensing of nuclear power. Considerable research conducted decades after the bombing of Hiroshima and Nagasaki identified the generational contamination of the land, water, people, nature in and around the area. The nuclear testing conducted on the Marshall Islands and throughout the geographical area has deemed the water, land, biological systems and systems contaminated, continually disintegrating rapidly, creating learning, physical and long term chronic disabilities plaguing the adjacent populations.

In the 1960s, there rose up global push back against nuclear weapons, nuclear projects because of four compelling arguments:

- a) No safe permanent containment;
- b) No long term space for safe waste radioactive disposal;
- c) No method to amend, change, depolarize the grave, permanent harm to all living species.
- d) No method of stabilizing the earth's crust, its geographical and natural structures, i.e. mountains, volcanoes, earth's plates to withstand the undeterred, cataclysmic explosion of nuclear energy.

Detailed submissions opposing the proposed 25-year licence renewal for the Point Lepreau reactor are identified. Please give your full attention to the following points. Reflect on why NB Power's request must not be granted:

1. Nuclear energy production is exceedingly dangerous to people and the environment, locally and planet-wide, due to the extreme and long-term toxicity of radioactivity. In the specific case of the Point Lepreau plant, leaks or other problems pose a high risk to the people of the surrounding area and to the Bay of Fundy with its unique ecosystems and its economic and cultural importance.

2. Nuclear energy is NOT "green," not even in the narrow sense of carbon emissions. It produces huge quantities of emissions on both the "upstream" and "downstream" sides of production, including uranium mining and milling, and the falsely vaunted "reprocessing" of some of its waste.

3. Nuclear power plants produce highly toxic radioactive wastes lasting for millennia. Presently globally and nationally, massive stockpiles of radioactive wastes are housed waiting for disposal. Decades of academic and scientific research identified there is no safe way to dispose of radioactive wastes! Globally it is a time bomb waiting to happen, whether by an act of nature, act of war, act of ignorance. This is a grave contradiction to say "safe disposal methods" compared to invisible toxicity lasting longer than the earth's existence.

4. Accidents, natural disasters or attacks on nuclear plants pose lethal threats, accelerated and magnified by climate change and international tensions. This means that nuclear energy must be phased out now, with existing plants *wound down, not extended*. There is no more time to contemplate on whether we need to renew a licence.

5. All decision-making regarding the nuclear industry demands meaningful public input, including that from Indigenous peoples. Renewing a license for 25 years, even five years is beyond the scope of what scientists can speak to on present and future climate change impacts. To offset discussions in the time of immense global refugee migration, extreme poverty, increasing magnitude of terror cells in every state and country, defies the decision makers to even look at such a preposterous future renewal of 25 years. Indigenous peoples across Canada are leading the way to creating sustainable energy projects, agricultural farming and fisheries. Indigenous practices due to their ancient traditional immemorial practices are known for their long term benefits. Even the licence for five years is not taking into account policy changes or public demand for safe energy, yet to happen. This call for five or 25 years, denies our youth any opportunity to make decisions that will affect generations into the future.

A responsible decision on this by CNSC has the positive potential to push the New Brunswick government, NB Power and all the Atlantic Provinces, to put all their resources into reducing energy demand by retrofitting and re-structuring, and supporting truly renewable alternative energy supply, notably solar, wind, wave, small-scale hydro power.

Refuse the request of NB Power for a new license for the Point Lepreau plant. Request NB Power to research the viability of tidal, wave power alternatives to the Point Lepreau plant, Seek the decommission of this plant, as soon as possible. .

Please confirm you have received this submission, it is given the full weight in your deliberations.

Lovely Living Here!

Elizabeth Lee
St Anthony, Newfoundland & Labrador, Canada Beothuk Territory