



**Written submission from
Page Murphy**

**Mémoire de
Page Murphy**

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: Page Murphy
Sent: March 11, 2022 10:34 AM
To: cns.interventions.ccsn@canada.ca
Subject: Intervention PLNGS Hearing Ref. 2022-H-02

Hello,

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 parent concerned about the future of my children and leaving them with legacy radioactive waste and radioactive emissions in the event of an accident. I am also deeply concerned about the impacts of the nuclear plant on marine species, tourism, and commercial fisheries.

The Lepreau nuclear plant emits radioactive tritium, a carcinogen, into air and water. Canada's current "safe" limits for tritium are many times higher than in other countries. I am concerned that there is no proven-safe option for permanent disposal of the radioactive waste that will continue to add up for another 25 years, if the requested renewal period is approved. Further, the proposal to transport all this additional waste for thousands of miles to a deep geologic repository in Ontario, multiplies the risk of serious accidents resulting in radio-active release, having potential impacts on human health and the environment. The CNSC must consider the impact of radioactive wastes within this licensing hearing. The CNSC should not continue to licence nuclear power plants when no known solution yet exists for radioactive wastes. This is utterly foolhardy and dangerous.

The marine environment immediately around the plant has abundant species of fish and many commercially significant species like cod, lobster, scallops and dulse. In addition to the marine mammals like whales, porpoises, dolphins and seals that frequent the Bay of Fundy, colonial waterbirds also use the area during seasonal migrations. The Bay of Fundy is home to a number of federally protected species under the Species at Risk Act, including the north Atlantic right whale, blue whale and fin whale. Given the globally recognized significance and biodiversity of this region, I am concerned about the long-term environmental effects of the plant, potential accidents and its eventual decommissioning on the Bay of Fundy. 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.

We must move forward as a province, and a nation, to secure a future that is habitable for humans. Business of the past cannot be, and is not, the business of the future.

Please acknowledge receipt of this email.

Sincerely,

Page Murphy