



**Written submission from  
Jennifer Kazda**

**Mémoire de  
Jennifer Kazda**

In the Matter of the

À l'égard de

**BWXT Nuclear Energy Canada Inc.,  
Toronto and Peterborough Facilities**

---

**BWXT Nuclear Energy Canada Inc.,  
installations de Toronto et Peterborough**

---

Application for the renewal of the licence for  
Toronto and Peterborough facilities

Demande de renouvellement du permis pour les  
installations de Toronto et Peterborough

**Commission Public Hearing**

**Audience publique de la Commission**

**March 2 to 6, 2020**

**Du 2 au 6 mars 2020**

*This page was intentionally  
left blank*

*Cette page a été intentionnellement  
laissée en blanc*

Jennifer Kazda

██████████

Peterborough, Ontario

██████████

January 20, 2020

To whom it may concern,

I would like to register my concerns about BWXT's license application with the CNSC with the hope their license is not to be granted. I am a citizen of Peterborough with a young family. My son will start school and Prince of Wales this coming September.

I am concerned the fine Uranium power, which is finer than flour, will be released into the air, soil and water in the community where I live and raise my family. According to the World Health Organization, once inside the body, alpha particle emitters such as uranium are type 1 carcinogens. Uranium is also a heavy metal with health implications similar to lead. I understand that similar to the cancer causing potential of one single asbestos fiber, breathing in just one particle of uranium is extremely dangerous.

I feel CNSC is putting health second. The CNSC seems to me to be more like the Canadian Nuclear Support Commission than the Canadian Nuclear Safety Commission. For example, the former president of the CNSC Linda Keen, was promptly fired after raising concerns about the safety of a nuclear reactor. Accidents Happen. In 2017 BWXT-Peterborough found they had been using the wrong masks and had accidentally exposed their employees to highly toxic beryllium. During the 2004 flood in Peterborough, there was 2 inches of water on the floor of the GE facility that ultimately flowed into Little Lake.

I am concerned that no environmental assessment is required for approval of this new industrial process in Peterborough, even though radioactive emissions will increase significantly. In comparing the emissions of BWXTs Toronto facility, where they make pellets, to the emissions from BWXTs Peterborough facility, where they assemble the pellets into fuel bundles, Zach Ruitter wrote in an article in The Arthur last month, "According to their self-reported estimates in the 2018 Annual Compliance Report, the company has dosed the Toronto public, claiming to have released 46.2 grams of uranium into the air, and 3.62 kilograms of uranium in the water over the past five years. This is compared with less than one gram into the air and sewer in Peterborough over the same time period."

If pelleting begins who will accept the responsibility of the consequences of pelleting before and after Peterborough? Women and children are known to be much more vulnerable to both radiological damage and chemical damage than an adult male and the effects are cumulative. Prince of Wales Public School is across the street, Queen Mary Public School is up the street and West Mount Elementary School is 2.5 km away from the facility on Monagan Rd. That's a lot of kids that will be exposed to new health risks day in and day out.

I understand that nuclear energy isn't going to stop being produced, I however do not think nuclear operation belong in the downtown core of a growing city, especially when an elementary schools are very near by.

Sincerely,

Jen Kazda