



**Written submission from  
Susan Chiddix**

**Mémoire de  
Susan Chiddix**

In the Matter of the

À l'égard de

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

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

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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**

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laissée en blanc*

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**From:** Susan Chiddix  
**Sent:** January 20, 2020 6:52 PM  
**To:** Interventions (CNSC/CCSN)  
**Subject:** Re: BWXT licence request to process uranium in the City of Peterborough.

To whom it may concern:

As a Human Being and resident of Peterborough, I demand that Canada's nuclear regulator responsible for licensing nuclear power plants in Canada do **NOT** grant a licence to process uranium into fuel pellets in the City of Peterborough to BWXT.

Radioactive material of any kind must **NOT** be processed in a residential area. Children are most at risk from any exposure to ionizing radiation and there is a grade school directly across the street from the buildings proposed to be used for the highly risky process.

This licence to process uranium into fuel pellets cannot guarantee zero leakage. There is always some radio-active leakage. There are no guarantees of totally eliminating all leakage during processing. Minimizing radio-active dust leakage is **NOT** a possible option within a city, especially with vulnerable children living, playing and going to school in the neighbourhood. Even if ionizing radiation leaked is below some standard set by industry or government, this does not take into account the cumulative effect.

Toxic buildings abandoned by General Electric, the previous industry does mean that another toxic industry can move in and continue the toxic legacy to pollute and destroy the environment. Humans and all life on Planet Earth are already experiencing the total body load; exposure to toxic chemicals in the air, water, land and food, heavy metals in the water, land and food, non-ionizing EMFs, Electro Magnetic Fields, fungal, molds, stress, anxiety and depression.

BWXT will not clean up G.E. toxic mess and will just leave their mess for the taxpayer to clean up. This radioactive process must end. The Nuclear Industry is unsustainable and must not continue its toxic legacy.

The people of Peterborough worked long and hard to put an end to the unneeded Tritium operation within the Peterborough City Limits. Tritium is a messy and radioactive leaks are always part of the operation. There are still traces of radioactive particles in apple orchards within Peterborough. BWXT is applying for a license for processing uranium (which is extremely unsafe for any living being) into fuel pellets which use Uranium dust. This is a messy process and there is a great risk of leaks causing exposure to radiations for the citizens of Peterborough.

Thank you for this opportunity for feedback before granting a 10 year licence to BWXT to process uranium into fuel pellets in the City of Peterborough.

Sincerely  
Susan Chiddix