



**Written submission from
Don and Heather Ross**

**Mémoire de
Don et Heather Ross**

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

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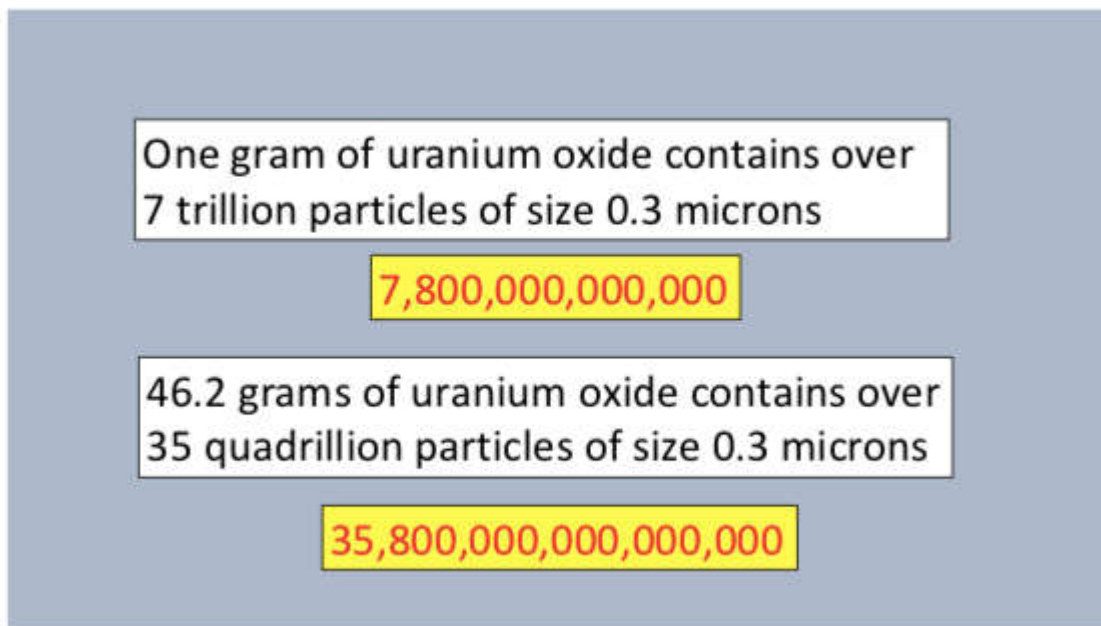
From: Don Ross
Sent: January 11, 2020 12:53 PM
To: Interventions (CNSC/CCSN)
Subject: Objecting to license renewal of BWXT at 1025 Lansdowne

To whom it may concern,

We would like these comments to be noted on file as you consider all factors in reaching your decision. The Canadian Nuclear Safety Commission staff have recommended the factory be given a **ten-year** operating license renewal. The following evidence, which we support, are some of the key reasons why we say NO! :

BWXT filters most of its emissions, the smallest particle are what escapes their HEPA filters. BWXT does its own uranium emissions estimates and claims to have released 46.2 grams of uranium over the past 5 years.

According to physicist Dr. Gordon Edwards, here are the stats on how many particles of uranium are in each gram of uranium released from BWXT at 1025



Lansdowne

This means BWXT releases approximately

7,160,000,000,000,000 particles a year

19,616,438,356,164 particles a day

817,351,598,173 particles an hour

1,362,256,636 particles a minute

227,042,110 particles a second

By processing half of all nuclear fuel used in Canada, releasing 227 millions particles per second is unacceptable.

Similar to the cancer causing potential of inhaling just one single asbestos fibre breathing in just one particle of alpha radiation emitting uranium can cause cancer. According to Dr. Gordon Edwards, "The highly insoluble and carcinogenic dust particles lodge in the lungs and become a 'body burden' that will remain inside the lungs, irradiating the highly sensitive lung tissue for many years."

"The people living around there are at risk," says Dr. Helen Caldicott, "If you happen to inhale one particle of uranium into your lungs you get a very high dose to a small volume of cells which can induce cancer."

The BWXT is broadcasting massive amounts of uranium particles over millions of people. Those who live, work, and go to school in the wind path of the uranium emissions are most at risk. People who live, work, or study or party in this neighbourhood are an impacted person from an impacted community. We would never consider living anywhere near this area, nor should they have to tolerate these risks any longer.

Thank you for serious consideration of our comments and we trust you to make the right decision in the name of public safety.

Don & Heather Ross. [REDACTED], Milford, Ontario

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" Be the change you wish to see in the world. " - Gandhi