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Oral Presentation

Exposé oral

**Written submission from
Laurie Pezzack**

**Mémoire de
Laurie Pezzack**

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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Filed by email on January 27, 2020

January 25, 2020

Peterborough, ON

To the Canadian Nuclear Safety Commission,

I wish to submit an intervention to the CNSC for the BWXT Nuclear Energy Canada Inc.'s (which I will subsequently refer to as BWXT) application for licence renewal in Peterborough Ontario.

I am a parent of 4 year old boy who attends Prince of Wales school, which as you know is located within approximately 20 metres of the GE nuclear processing facility. I moved to Peterborough 1.5 years ago, and moved into a beautiful area of century homes just down the street from the BWXT plant. At the time I was under the impression that GE was making wind turbines there, which I thought was great. More wind power = less pollution.

Shortly thereafter I began hearing about BWXT's operations was horrified to learn that nuclear fuel bundles were being manufactured there.

My son's Kindergarten class and playground is directly across the street from a nuclear processing facility. I have been hearing from BWXT and nuclear governing bodies that nuclear fuel processing is safe, however, based on presentations from Dr. Gordon Edwards (Canadian Coalition for Nuclear Responsibility) and Dr. Cathy Vakil (Canadian Association of Physicians for the Environment), it only takes one particle escaping filters and being released into the air that would cause lifetime detrimental damage to a human body.

Children are our most vulnerable and susceptible humans, and despite BWXT claiming it is perfectly safe, the plant is operated by humans. Humans by their very nature make mistakes and accidents can happen.

I have read countless reports, even from the CNSC about exceedance of exposure limits. One report even cited incorrect filters in respirators were used for almost 2 years. Another report detailed how the nuclear facility workers were exposed to over 3000 toxic chemicals, including at least 40 known or suspected human carcinogens. This type of irresponsibility of a company, clearly outlines to me the lack of care BWXT/formerly GE has towards its employees. If its own employees are treated this way, it stands to reason that public exposure outside the plant is not a concern either.

Emissions over the limit have already been recorded in Toronto, and if a license extension that includes the right to manufacture pellets in Peterborough is granted, such an exposure in Peterborough is a real threat. Our children would be in the direct line of fire if such an exposure were to occur.

Manufacturing using radioactive materials has no place in a populated area like Peterborough, much less right beside an elementary school full of our most vulnerable population of society, our children.

I would respectfully request the license application for the Peterborough facility be amended so that manufacturing of uranium dioxide pellets in Peterborough is prohibited. It is the responsibility of the governing body for Nuclear Safety to protect the people of this country. Please protect our community, its citizens, BWXT's workers, and our children.

Warm Regards,
Laurie Pezzack