



**Written submission from  
Rosemary MacAdam**

**Mémoire de  
Rosemary MacAdam**

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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To Whom It May Concern

I wish to submit an intervention to the CNSC for the BWXT application for licence renewal in Peterborough Ontario. I strongly oppose the granting of a renewed license to BWXT that would include permission to engage in making uranium pellets for nuclear fuel rods. I also strongly oppose renewing and extending their current license for a period of 10 years. I think a renewal period of three years or less with a thorough environmental assessment is better if the license is extended.

I moved to Peterborough a year and a half ago. Last Spring, I purchased a house and hope to start a family in the future. The house is located within the two-kilometre radius of the BWXT plant that is considered to be the highest risk area for airborne uranium emissions. As uranium is particularly dangerous if it enters the bodies of pregnant women, babies and children, I am justifiably concerned for the health of any children I may have in the future.

I understand that the uranium oxide powder that BWXT would handle in the manufacture of fuel rod pellets can pass through the blood stream to any part of the body and cause a host of serious medical problems including cancer and birth defects. The prospect of exposing my children to this risk is terrifying! Even if I never have children, our friends and neighbour's children would be at risk. My goddaughter lives next door to me and I worry about her. Our local junior school is Queen Mary School and it is located only a kilometre away from the BWXT plant.

I would not want my or any other's children swimming at the beach on Little Lake because BWXT would have the right to use the Peterborough waste water system to dispose of the water they use for cleaning equipment etc. and this water would flow into our local lake named Little Lake. Little Lake is located within the downtown part of Peterborough and I understand that as a result, BWXT pelleting could put 9000kg of Uranium in Little Lake each year.

Little Lake Beach is tested from mid-June until September, but only for E. Coli according to the province's Beach Management Protocol, so parents would have no way to know the true condition of the water in terms of safety.

When I moved to Peterborough, I had such high hopes of living in a friendly safe community, but the prospect of contacting tiny airborne or water bourn particles of uranium is quite terrifying and an unacceptable risk in such a dense urban environment. If BWXT pelleting is to be carried out, it should be at the very least done in an industrial area well away from any urban development or important watersheds. It should never be located so close to a junior public school like Prince of Wales School that is located right across the street from the BWXT plant. The plant is very old. A pelleting facility should be located in a modern facility.

Therefore, I would recommend that you do not grant the 10-year license to BWXT that would give them permission to produce uranium pellets, especially without any type of thorough environmental assessment. Please do not make me regret my decision to move to Peterborough because I will if this goes through.

Sincerely,  
Rosemary MacAdam