

APPENDIX 1

Nov. 8, 2018 – Pickering News Advertiser: Radioactive fuel waste should be recycled, not buried, says reader Frank Dempsey

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https://www.durhamregion.com/opinion-story/9023404-radioactive-fuel-waste-should-be-recycled-not-buried-says-reader/

To the editor:

Recent letters in your newspaper mention the significant challenges of future electrical power generation in Ontario, the highly radioactive used CANDU (Canada deuterium uranium) fuel waste stockpile remaining, and loss of thousands of skilled jobs following the decommissioning of the Pickering Nuclear Generating Station in 2024.

As a longtime Pickering resident, my biggest concern is the fate of the more than 15,000 tonnes of long-lived radioactive fuel waste. The federal long-term plan is to bury it. This is a huge waste of the energy remaining in the used fuel, since the fuel has yielded less than one per cent of its total energy content. Existing commercially available fast-neutron reactors can recycle the other 99 per cent of this fuel while generating electricity, and

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effectively eliminate the long-term toxicity of Pickering's used fuel stockpile in decades. The alternative is extremely toxic nuclear waste for hundreds of thousands of years.

Recycling used nuclear fuel is a huge economical source of future carbon-free, emission-free, and weatherproof energy production. For Pickering and Ontario, recycling this fuel (owned by Ontario) would provide continuing non-carbon electrical generation in a location where high-capacity electrical transmission lines and infrastructure already exist, and continue to provide highly skilled jobs. Tell our provincial government!

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