
From: Kerstin Muth <email address removed>
Sent: Friday, July 11, 2025 8:17 PM
To: Bruce C Nuclear Integrated Assessment / Évaluation Intégrée Bruce C Nucléaire (IAAC/AEIC)
Subject: Comments re "Guidelines" for the Bruce C Impact Assessment
Categories: Add to DL

Comments re "Guidelines" for the Bruce C Impact Assessment

To whom it may concern:

My interest in the project is primarily because of my concern about climate change and also nuclear waste.

The proponent states that that one need for the project is for low-carbon emitting electricity supply. The plan to address the climate emergency is to reduce carbon emissions to net-zero by 2050. The next 2-3 decades are critical. Construction of new power plants and mining and refining of the fuel will produce considerable carbon emissions.

The proponent should provide detailed accounting of the timeline of carbon emissions that are likely to be produced by particular project including the construction of the plant, the production of the nuclear fuel and the waste facility.

The citizens of Ontario would very much benefit from the IAAC considering alternatives such as a combination of renewable, efficiency and conservation in supplying future electricity needs. The current government of Ontario may be very interested in developing nuclear power but a different government may not. This decision commits taxpayers for decades to the cost of developing and constructing new nuclear power plants along with the risk and the cost of managing nuclear waste which much be isolated from the environment for hundreds of thousands of years.

It is generally considered that nuclear energy is associated with high costs and the proponent should show how this project is more economical than an alternative of renewable, efficiency and conservation.

The proponent should provide a detailed characterization of the types and amount of radioactive waste that will be produced and where it will be stored in the short, medium and long-term.

Years of nuclear energy production without serious consideration to the waste disposal has resulted in an accumulation of highly radioactive waste in Canada and around the world. Currently deep geological disposal is the proposed long-term management plan which involves challenging technical and environmental justice issues. The Nuclear Waste Management Organization's selected site in northern Ontario (for all of Canada's existing spent

nuclear fuel) must still undergo an Impact Assessment alongside an Indigenous led assessment. There is also considerable resistance in the region.

Perhaps there will be a time when a nuclear technology is developed that can generate electricity using nuclear waste from current nuclear reactors as fuel, cannot contribute to nuclear weapons and the waste produced only needs to be isolated for hundreds of years rather than thousands (a goal of ongoing research with Accelerator Driven Systems).

Thank you for the opportunity to comment on this project.

Kerstin Muth