Canadian Nuclear Safety Commission | Commission canadienne de sûreté nucléaire

CMD 20-H102.35

File/dossier : 6.01.07
Date : 2020-06-01
e-Docs pdf : 6309833

Written submission from Anna Gent

Mémoire de Anna Gent

In the Matter of

À l'égard de

Decision on the scope of an environmental assessment of the proposed Micro Modular Reactor Project at the Canadian Nuclear Laboratories Ltd., in Chalk River

Décision sur la portée de l'évaluation environnementale pour le projet de microréacteur modulaire aux Laboratoires Nucléaires Canadiens ltée, à Chalk River

Hearing in writing based on written submissions

Audience par écrit fondée sur des mémoires

June 2020

Juin 2020

Canada

Submission from Anna Gent for Global First Power:

Anne Gent, for the record. I would like to start by thanking the Canadian Nuclear Safety Commission (CNSC) for providing an opportunity to provide a written intervention on the proposed scope of factors to be considered in the conduct of an environmental assessment (EA) for the Micro Modular Reactor (MMR) project proposed by Global First Power (GFP).

I am the past Chair for Women in Mining and Women in Nuclear Saskatchewan Inc. (WIM/WiN-SK) and have 13 years of experience working for Cameco Corporation, both at the Key Lake Operation and Corporate Office. I currently work as a Senior Environmental Scientist in the Safety, Health, Environment and Quality Compliance and Licensing group. I am also a currently Board member for Women in Nuclear Canada, representing the Saskatchewan Chapter, WIM/WiN-SK. A lifecycle assessment of the environmental and economic costs of alternatives energy sources demonstrates that nuclear power is a clear winner.

If renewables are being used for a comparison the baseload supply (gas/batteries) should be considered using their capacity factors, methane gas leakage numbers for natural gas production, the quantity of natural resources required for their production and maintenance, and the disposal impact at the end of the technology.

This project offers both economic and environmental benefits and could be implemented across Canada, especially in remote communities or off- grid industrial operations. Reliance on diesel generators could be a thing of the past if they are replaced with safe, clean reliable nuclear power.

Finally, I deeply believe that nuclear power is the safest, cleanest, and most reliable electricity production method that can provide the baseload power needed to transition to a society with increased reliance on renewables. Nuclear power, in combination with other low carbon electricity sources, is the key to combating climate change and protecting the environment. I believe the project proposal has considered all safety requirements, has minimized the potential for significant environmental impacts and will provide economic and environmental benefits for decades to come.

Thank you, Anne Gent