



Supplementary Information

Renseignements supplémentaires

Written submission from Ontario Power Generation

Mémoire d' Ontario Power Generation

In the Matter of

À l'égard d'

Ontario Power Generation

Ontario Power Generation

Ontario Power Generation – Licence amendment application for the Darlington Nuclear Generating Station regarding the commercial production of Cobalt-60

Ontario Power Generation – Demande concernant la modification de son permis pour la centrale nucléaire de Darlington en vue de produire commercialement du Cobalt-60

Public Hearing – Hearing in writing based on written submissions

Audience publique – Audience fondée sur des mémoires

Spring 2024

Printemps 2024

ATTACHMENT 1

OPG Response for CMD 24-H101-Q

#	<i>Commission Questions</i>	OPG Response
1.	<i>Explain why cobalt sources that have reached the end of commercial life will be stored in the Bruce B Nuclear Generating Station (NGS) irradiated fuel bay, rather than at the Darlington NGS.</i>	The capability to receive cobalt sources that have reached their end of commercial life does not exist at Darlington NGS. Therefore, the spent cobalt sources will be received at the Bruce B NGS irradiated fuel bay for interim storage. This will facilitate consolidation with existing spent cobalt, and leverage the existing procedures, training, expertise, equipment and tools available at Bruce B NGS to store spent cobalt sources on an interim basis. This arrangement is consistent with the current practice of receiving spent cobalt from the same third party. Industry recycling efforts maximize the useful life of the cobalt sources before they are placed in interim storage. Currently, 99.5% of cobalt sources are recycled, resulting in no shipments of spent sources from the third party to Bruce B NGS since early 2020.
2.	<i>Describe the engagement activities that have been or will be conducted with Indigenous Nations and communities along Co-60 transportation routes.</i>	OPG has provided information to Indigenous Nations and communities regarding production and harvesting of the Cobalt-60 isotope. To date, these meetings have included members from the William’s Treaties First Nations, Six Nations of the Grand River, and Metis Nation of Ontario Region 8. In addition to information sharing presentations, follow up emails with briefing notes were distributed, as well as offers to deliver further sharing sessions if requested. The process of Indigenous engagement will be ongoing through to its operation.