



**Written Submission from the  
Saskatchewan Research Council**

**Mémoire de la  
Saskatchewan Research Council**

In the matter of the

À l'égard d'

**Ontario Power Generation Inc.**

---

Application to renew power reactor  
operating licence for the Darlington  
Nuclear Generating Station

**Ontario Power Generation Inc.**

---

Demande concernant le renouvellement  
du permis d'exploitation d'un réacteur de  
puissance pour la centrale nucléaire de  
Darlington

**Commission Public Hearing  
Part-2**

**Audience publique de la Commission  
Partie-2**

June 24-26, 2025

24-26 juin 2025



May 5, 2025

Commission Secretariat  
Canadian Nuclear Safety Commission  
280 Slater Street  
P.O. Box 1046, Station B Ottawa, Ontario  
K1P 5S9

**Commission Public Hearing, Licence Renewal Application for the Darlington Nuclear Generating Station, Ref. 2025-H-02**

Dear Commission Secretariat,

The purpose of this letter is to express Saskatchewan Research Council 's (SRC) support for Ontario Power Generation's (OPG) application for a renewal of the Darlington Nuclear Generating Station (NGS) Power Reactor Operating Licence (PROL). The current PROL which expires on November 30, 2025, authorizes OPG to operate its 4 nuclear reactors and their associated equipment at the Darlington NGS site.

SRC is a Government of Saskatchewan Treasury Board Crown Corporation, which is Canada's second largest research and technology organization, supporting innovation and industrial commercialization for clients around the world. With more than 350 employees and over 77 years of R&D experience, SRC serves 1,400 clients in 22 countries around the world. SRC provides services that support a variety of industries in Saskatchewan and beyond, such as mining, minerals, agriculture, oil and gas, clean energy, biotechnology, as well as meeting the environmental needs of industry, government, and communities. SRC currently owns and operates the world's largest uranium analysis laboratory which is licensed by the Canadian Nuclear Safety Commission (CNSC) to safely receive, process and archive radioactive samples. SRC also successfully operated a SLOWPOKE-2 nuclear research reactor for 38 years before receiving CNSC approval for safe decommissioning in 2021.

SRC Nuclear Inc., is a wholly owned subsidiary of SRC, which is currently planning for future licensing and operation of microreactors in Saskatchewan. The Saskatchewan government has designated SRC as the primary organization responsible for microreactor development in the province as well as the sole organization authorized to pursue the necessary regulatory licences to deploy microreactors within the province. SRC is planning to provide life cycle, integrated services, on a commercial basis to industry and communities looking to deploy microreactors to support their business and economic development.

For decades, SRC has proudly collaborated with Indigenous communities across Saskatchewan on a variety of projects. Indigenous involvement is vital to growing Saskatchewan's economy and SRC has recently launched an Indigenous Action Plan that centers on Indigenous Peoples, communities, and businesses to help achieve shared goals. The plan is built to align with the Truth and Reconciliation Commission of Canada's (TRC) Call to Action 92 and will be lifted by four integral pillars: Employment, Leadership, Indigenous Community Relationships and Business Development.

As a prospective microreactor operator in the province of Saskatchewan, SRC supports OPG's continued efforts in producing clean, reliable energy and ensuring the health, safety and security of persons and the environment. Completion of the Darlington refurbishment project which includes major component replacements, inspection, and modifications to improve the plant, will enable OPG to continue safe and reliable operation of the Darlington NGS through the next 30 years. SRC also shares OPG's commitment to building long-term relationships with Indigenous Nations and communities that support continued engagement on nuclear operations as well as taking actions to advance reconciliation with Indigenous peoples through its Reconciliation Action Plan.

On this basis, SRC fully supports OPG's application for a 30-year renewal of the PROL for the Darlington NGS. If you have any questions or require clarification, please do not hesitate to contact me at 306-250-2311 or [Dan.McDermid@src.sk.ca](mailto:Dan.McDermid@src.sk.ca)

Sincerely,

A handwritten signature in black ink that reads "Dan McDermid". The script is fluid and cursive, with the first letters of each word being capitalized and prominent.

Dan McDermid  
Chief Nuclear Officer and Vice-President, Nuclear  
Saskatchewan Research Council