



Oral presentation

Exposé oral

**Written submission from the
North American Young Generation
in Nuclear (NAYGN) Durham**

**Mémoire de
North American Young Generation in
Nuclear (NAYGN) Durham**

In the Matter of the

À l'égard de

**Ontario Power Generation Inc. -
Darlington Waste Management Facility**

**Ontario Power Generation Inc. - Installation
de gestion des déchets de Darlington**

Application to Renew the Class IB Waste
Facility Operating Licence for Ontario Power
Generation in Darlington, Ontario

Demande de renouvellement du permis
d'installation de déchets de catégorie IB pour
Ontario Power Generation à Darlington
(Ontario)

Commission Public Hearing

Audience publique de la Commission

January 26, 2023

26 janvier 2023



November 25, 2022

Tribunal Officer, Secretariat
Canadian Nuclear Safety Commission
280 Slater Street
P.O. Box 1046, Station B
Ottawa, Ontario K1P 5S9
Email: Interventions@cnsccsn.gc.ca

Re: Ontario Power Generation's application to renew its Darlington Waste Management Facility operating licence

Dear President and Commission Members,

Thank you for giving us the opportunity to intervene for this public hearing. NAYGN Durham is submitting this intervention in favor of Ontario Power Generation's application to renew its Darlington Waste Management Facility operating licence.

We are representing North American Young Generation in Nuclear (NAYGN) Durham chapter. NAYGN is an association of young professionals and students passionate about the nuclear industry and is focused on professional development, public relations, networking, and community outreach. There are currently over 100 chapters across North America with around 14 chapters in Canada.

NAYGN Durham is a local chapter to the Durham Region, which started its journey in 2008. The chapter organizes various social, professional development and community events such as nuclear conferences, industry tours, technical seminars, and lunch & learns and informative sessions in the region. The chapter has over 950 members, most of whom work for the nuclear industry in Darlington and Pickering area.

The Darlington Waste Management Facility is located on the site of the Darlington Nuclear Generating Station in the Municipality of Clarington, Ontario, on the traditional territory of the Wendat, Anishinabek Nation, and the territory covered by the Williams Treaties with the Michi Saagiig and Chippewa Nations.

OPG is an Ontario-based electricity generation company whose principal business is the generation and sale of electricity in Ontario. Electricity generated by nuclear power comes with the by-product of radioactive waste. OPG is committed to the responsible and comprehensive management of all its radioactive waste and has been safely storing the waste at the Darlington Waste Management Facility (DWMF), generated from the Darlington Nuclear Generating Station (DNFS). The Nuclear Waste Management Division (NWMD) at OPG operates Nuclear Class 1B waste facilities and is responsible for the safe and responsible management of radioactive waste from all OPG nuclear owned and leased



reactors. NWMD is responsible for the long term safe and economic management of all low, intermediate and high-level waste generated at OPG owned and operated nuclear reactors.

OPG has renamed its Nuclear Waste Management (NWM) division to Nuclear Sustainability Services (NSS) in Q4 2021. NSS safely accepts, transports, processes and stores nuclear by-products, while embracing the three Rs – reduce, reuse, and recycle.

Nuclear Sustainability Services is a name that is both true and inspirational, aligned with OPG’s Climate Change Plan. In both name and deed, NSS demonstrates that nuclear is clean energy, vital to net-zero climate action. With a focus on safety and protection of people and the environment, NSS demonstrates good stewardship of nuclear by-products, while developing lasting solutions for disposal, and ensuring public peace of mind.

A new five-year strategic plan for NSS emphasizes minimizing waste volumes at source and reducing volumes for interim storage and permanent disposal –to reduce costs and to reduce OPG’s environmental footprint. The facility safely handles all the nuclear materials OPG handles, including materials that are clean, recyclable and valuable – from copper and steel to heavy water – and important medical isotopes.

Ontario Power Generation is proud to be one of the largest, most diverse clean power producers in North America. OPG has a comprehensive environmental policy, adhering to ISO 14001 Environmental Management System standard, which show the company’s commitment towards minimizing the impact on environment and achieving environmental performance excellence. In 2021, OPG won the following awards along with various others:

1. Sustainable Electricity Award
2. Centre of Excellence Net Zero by 2050 Awards

OPG’s Niagara Operations was recently certified Gold by the Wildlife Habitat Council (WHC) once again. The three-year designation recognizes the outstanding environmental and biodiversity work continuing to take place at OPG’s Niagara sites, which include the Sir Adam Beck and DeCew hydroelectric generating stations (GS), as well as Sir Adam Beck Pump GS.


OPG has conformed to its environmental commitments, as proven with safe and reliable operation of Pickering and Darlington Nuclear Generating stations, hydro, and gas powered thermal generating stations. Additionally, OPG safely decommissioned its coal fired generating facilities, restoring the project site to as found conditions in lieu of its commitment to minimizing its footprint.

Approval of this request will directly translate into many benefits to the local community and economy. NAYGN Durham strongly believes that Ontario Power Generation’s application to renew its Darlington Waste Management Facility should be granted the requested 10 year licence.




As a nuclear community partner, our goal is to deliver clean, reliable, low-cost power to families and businesses across the province and OPG has a significant role to play in that goal.


Regards,



Aditi Bhargava, NAYGN Durham Chair

on behalf of 

Zohab Paracha, NAYGN Durham Chair

on behalf of 

Veeshesh Sunassy, NAYGN Durham President