

COMMUNITY CONSULTATION

Since 2006, when OPG initiated the New Nuclear at Darlington Project, we sought to ensure that the study approach was grounded in the perspectives, views and values of the community. As part of this effort, OPG has gained feedback in its work through a variety of ways, including open houses, municipal council presentations, community events, municipal technical peer reviews undertaken by the Municipality of Clarington and the City of Oshawa, as well as kitchen table meetings with Darlington Nuclear site neighbours. A brief discussion of the municipal peer reviews and kitchen table meetings is provided below:

Municipal Technical Peer Review

Municipal peer reviews are important and improve the quality of the EIS. Both the Municipality of Clarington and the City of Oshawa have undertaken independent, technical peer reviews of OPG's environmental impact studies. Qualified experts, hired by the municipality, review the draft studies and reports in detail, to ensure that the work has been done according to current standards and practices and that the views and perspectives of the municipality are adequately addressed.

Kitchen Table Meetings

As part of the work to understand potential environmental effects, OPG held kitchen table meetings with residents who live within 3 km of the Project site. In a kitchen table meeting, one resident acts as a host and invites their neighbours to come to their house for coffee and cake. OPG also attends the meeting and there is a discussion of the Project, how it may affect local residents, and suggestions on how to manage or mitigate any potential effects.

All of the information and feedback received on the Project has been incorporated into the Environmental Impact Statement.

Aboriginal Engagement and New Nuclear at Darlington

OPG engaged with First Nations, Métis and other Aboriginal communities to ensure that the Project did not have any adverse effects on their interests. The Métis Nation of Ontario offered to provide an article for this newsletter:

The Métis Nation of Ontario (MNO) through its newly formed Lands, Resources and Consultation Branch, has been working with OPG staff from the New Nuclear at Darlington Project to determine if the project may affect Métis interests. The MNO is pleased to be part of on-going discussions for this and future OPG projects.

The Métis (as represented by the MNO) are a distinct Aboriginal people with a unique culture, language and heritage. The MNO represents rights-bearing Métis in Ontario. The Métis Nation has Aboriginal rights in the lands, waters and natural resources throughout the Province.

Métis communities are regional in size and our traditional territories are expansive. The Métis Nation across Ontario is divided into 9 regions with 26 active communities throughout. The MNO currently represents over 70,000 Métis citizens in Ontario, with that number continually growing. The MNO has a complete governance structure with elected local, regional and provincial representatives. The MNO is also affiliated with the Métis National Council, representing Métis right across the homeland.

The MNO's Lands, Resources and Consultation Branch works to support Métis citizens in discussions on projects of interest throughout the Province. Regional Protocol committees provide direct input and participation to citizens in our communities. Continuing to work on the development of a positive, long term relationship with OPG is one of the Branch's priorities.

It is hoped that through positive meetings such as those with OPG for New Nuclear at Darlington, the MNO can continue building its relationship with OPG as we move forward into the future.

Glen Lipinski, Consultations and Community Relations Coordinator
Métis Nation of Ontario

HOW TO GET INFORMATION:

The EIS, Technical Support Documents, updated Application for Licence to Prepare Site, and additional Project information are provided on the New Build web site opg.com/newbuild. This web site will be updated as additional information becomes available. Should you wish to receive an electronic version of the submission materials, please contact us with your name and mailing address and we would be pleased to send you a DVD.

PUBLIC SUMMARY

OPG has prepared a 50-page public summary of the EIS. You can review it on the Project web site, download it, or ask us to send you a hard copy.

SEND US A REQUEST

OPG is available to provide a briefing and/or presentation on the New Nuclear at Darlington Project to community groups upon request.

Where can I find the EIS and supporting documents?

You can review the EIS and the 28 technical support documents at the following locations:

MUNICIPALITY	LOCATION	DOCUMENTS
CLARINGTON	OPG's Community Kiosk, Bowmanville Mall, 243 King Street East	Hard and Electronic copies
	Bowmanville Public Library - Main Branch 163 Church Street	Electronic Copies
PICKERING	Pickering Public Library - Main Branch, 1 The Esplanade	Electronic Copies
OSHAWA	Oshawa Public Library - McLaughlin Branch, 65 Bagot Street	Electronic Copies
WHITBY	Whitby Public Library 405 Dundas Street West	Electronic Copies
SCUGOG	Scugog Memorial Public Library 231 Water Street	Electronic Copies

OPG NEW NUCLEAR AT DARLINGTON

FALL 2009

ENVIRONMENTAL ASSESSMENT NEWSLETTER



A MESSAGE FROM LAURIE SWAMI

DIRECTOR OF LICENSING AND ENVIRONMENT DARLINGTON NEW NUCLEAR PROJECT

Ontario Power Generation (OPG) recently achieved an important milestone in the federal approvals process for new nuclear reactors at the Darlington Nuclear site. On September 30, OPG submitted the Environmental Impact Statement (EIS) and an updated Application for Licence to Prepare Site (LTPS) for the New Nuclear at Darlington Project to the Canadian Nuclear Safety Commission.

The Project includes the construction and operation of up to four new nuclear power reactors for the production of up to 4,800 megawatts of electrical generating capacity for supply to the Ontario grid. The EIS submission of more than 10,000 pages documents the work undertaken since the fall of 2006. It methodically assesses the range of potential Project-environment interactions identified throughout the process, determines the few residual adverse effects (those remaining after mitigation), and evaluates their significance. Some of the results of the assessment are discussed on Page 2.

Throughout the process, OPG sought community confirmation of the work undertaken and input into the assessment. Further, OPG engaged with representatives from First Nations, Métis and other Aboriginal communities to ensure that the Project did not have any adverse effects on their interests. Information on page 4 demonstrates how we did this.

Taking into account the proposed design and mitigation measures, the EIS concludes that the Project will not result in any significant adverse environmental effects. Most importantly, no significant adverse effects on the health and safety of workers, the public or natural environment are anticipated. The Project is also expected to result in a number of beneficial socio-economic effects.

OPG's "Application for a Licence to Prepare Site for the Future Construction of OPG New Nuclear at Darlington" demonstrates that the site is appropriate for a nuclear power plant; defines the site layout and activities that will be undertaken; and describes the management programs that govern the activities to be carried out.

OPG's submissions will be reviewed by the federally appointed Joint Review Panel (JRP) announced on October 30, 2009. The JRP is charged with conducting a public and technical review of the material submitted. This will allow Federal Authorities, Regulatory Agencies, the public and potential intervenors to review the sufficiency of the information provided by OPG. After the review, the JRP will make a determination as to whether or not there is sufficient information to proceed to a hearing. For more on the JRP process, please refer to Page 3.

Although the Province's Request for Proposal process to procure nuclear reactors for the Darlington site has been suspended, OPG continues with the process to obtain federal approvals for nuclear reactors, based on a multiple reactor technology approach.

As always, an informed community is important to OPG and essential to a comprehensive EA. I encourage you to visit our website (www.opg.com/newbuild), use our toll-free information line (1-866-487-6006), and visit OPG's community kiosk at the Bowmanville Mall to learn more about the project.

Laurie Swami



Aerial View of the Darlington Nuclear Site from Lake Ontario



Printed on 100% recycled paper.

HOW TO REACH US:

Ontario Power Generation

New Nuclear at Darlington
Environmental Assessment
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Website: www.opg.com/newbuild

Email: newbuild@opg.com

Visit us at the OPG Community Kiosk in the Bowmanville Mall.

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GENERATION

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GENERATION

ENVIRONMENTAL ASSESSMENT

The environmental assessment was undertaken by OPG to identify the possible environmental effects (including cumulative effects) of all phases of the Project (site preparation, construction, operation and maintenance, refurbishment (if required), decommissioning and abandonment), to identify measures to mitigate adverse effects, and to predict whether there are likely significant adverse environmental effects after the mitigation measures are implemented.

WHAT WERE THE RESULTS?

During the environmental assessment we examined the full range of potential Project-environment interactions and identified twelve adverse effects that are likely to remain. Some examples include:

Aquatic – we anticipate the loss of approximately 40 hectares of Lake Ontario nearshore aquatic habitat as a result of lake infilling and construction of cooling water intake and discharge structures. To appropriately mitigate this effect, a Fish Habitat Compensation Plan is proposed.



Lake Ontario Shore bluff at the lake water edge near the Darlington Nuclear site

Socio-economic – we anticipate some disruption of use and enjoyment of property because of common construction nuisances (noise, dust, traffic) for some residents living along truck haul routes. A Nuisance Effects Management Plan is proposed to address the adverse effects of dust and noise.

Terrestrial – we anticipate the loss of nesting habitat for up to 1,000 Bank Swallows. The portions of the habitat that would be removed are limited to the Darlington site and mitigation options include design and construction of artificial Bank Swallow colonies.



Bank Swallow Habitat at the Darlington Nuclear Site

Land Use and Visual – there are potential changes in the quality of existing views of the Darlington Nuclear site from viewing locations in the Region as a result of the natural draft cooling towers and vapour plumes from any of the atmospheric cooling towers, should they be used. This effect is anticipated to diminish over time as the structures become a familiar feature of the landscape. OPG's preference is once-through lake water cooling, which is currently used by the Darlington Nuclear Generating Station.

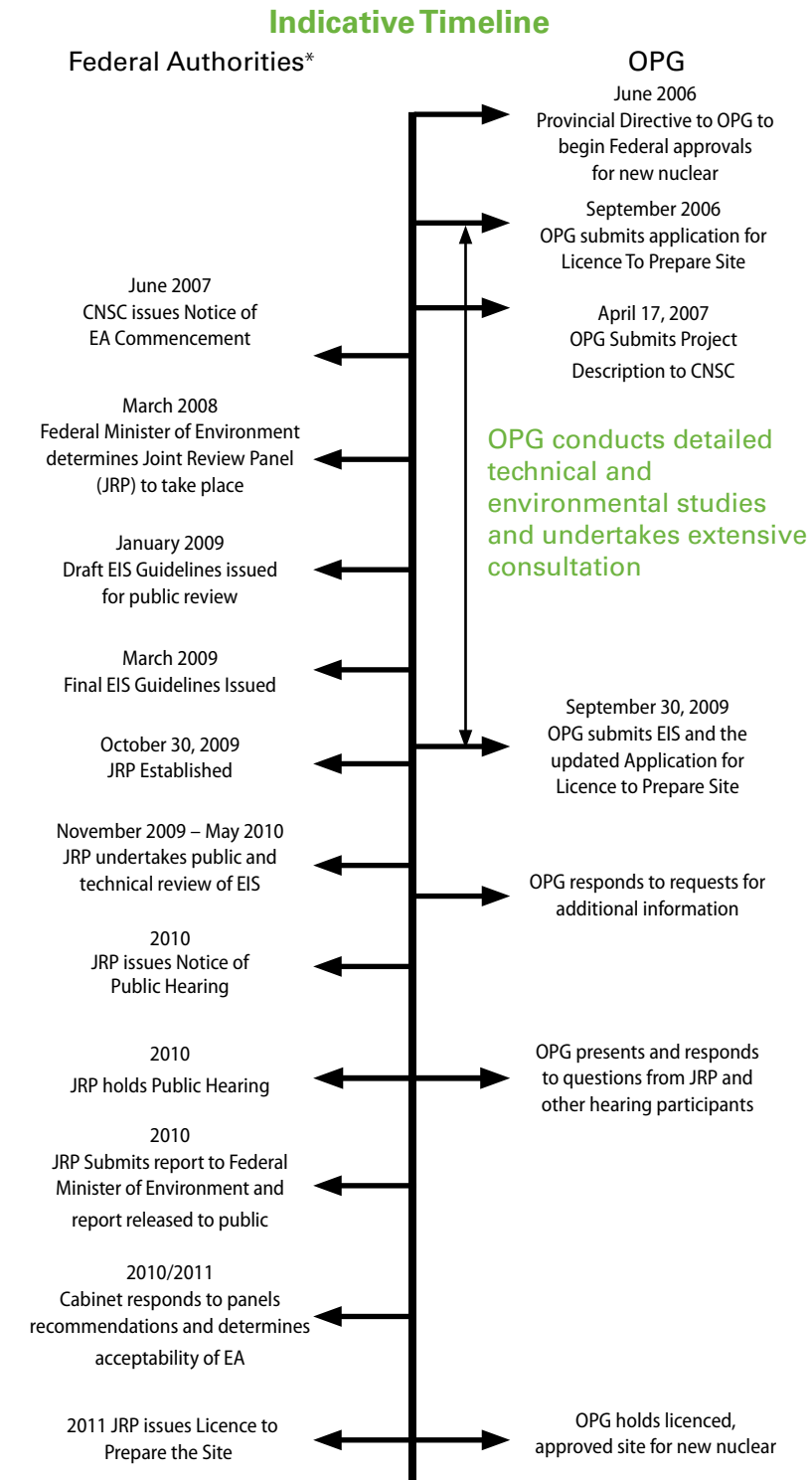


Conceptual Southwest View of Natural Draft Cooling Towers and Associated Vapour Plume from Highway 401

Overall, we concluded that the Project, taking into account the mitigation measures identified, will not result in any significant adverse environmental effects. To ensure this, we also include a follow-up and monitoring plan in the EIS.

WHAT IS A JOINT REVIEW PANEL?

A Joint Review Panel (JRP) consists of three persons appointed by the federal Minister of Environment and the President of the Canadian Nuclear Safety Commission to jointly review the EIS and Application for a Licence to Prepare Site. The JRP members are free of any conflicts of interest in relation to the Project and have knowledge or experience relevant to the anticipated environmental effects of the Project.



WHO ARE THE MEMBERS?

Mr. Alan R. Graham (Panel Chair)

Mr. Alan R. Graham is a trustee of the Nature Conservancy of Canada and member of the Board for the Atlantic Salmon Federation and the Miramichi-Uganda Foundation. He was first appointed a member of the former Atomic Energy Control Board in 1999 and has since been reappointed as a member of the Canadian Nuclear Safety Commission (CNSC). Mr. Graham served as a Member of the New Brunswick Legislative Assembly from 1967 until 1998. He was Minister of Natural Resources and Energy from 1991- 1998, and Deputy Premier from 1997-1998.

Ms. Jocelyne Beaudet

Ms. Jocelyne Beaudet is a communications consultant with more than twenty years of experience in fields related to the environment and public participation. She holds a bachelor's degree in physical anthropology from the University of Montreal and a master's degree in cultural anthropology from McGill University. Ms. Beaudet has extensive experience undertaking public consultation as a panel member for federal, provincial, and municipal environmental agencies.

Mr. Joseph Kenneth Pereira

Mr. Joseph Kenneth Pereira graduated from the University of London with a Bachelor of Science degree in Mechanical Engineering. He holds a Master of Science degree (Engineering Technology) from the University of Manchester. Mr. Pereira joined the Canadian Atomic Energy Control Board (AECB) in 1981 and from 2002-2007 served as Vice-President and Executive-Vice President of the Operations Branch for the CNSC.

HOW CAN I PARTICIPATE?

There are many opportunities for the public to participate in the JRP process.

- On November 16 the JRP announced a six-month EIS public review and comment period. During this time the Federal authorities, other government agencies, stakeholders, interested parties and the public have the opportunity to review all of the materials that have been submitted and provide comments to the JRP. Based on this review, the JRP may ask OPG for additional information.
- Once the JRP is satisfied it has sufficient information, it will hold a Hearing. The public may also participate in the hearings.

Any written comments provided to the JRP are made public on the Public Registry.

For more information on the Joint Review Panel process as it relates to the New Nuclear at Darlington Project, we encourage you to visit the Canadian Nuclear Safety Commission (www.cnsccsn.gc.ca) or the Canadian Environmental Assessment Agency (www.ceaa-acee.gc.ca) websites (CEAR reference number 07-05-29525).