

December 10, 2014
NK38-00531 P
NK38-CORR-00531-17137 P

Mr. M. Leblanc
Commission Secretary
Canadian Nuclear Safety Commission
280 Slater Street
P.O. Box 1046, Station B
OTTAWA, Ontario
K1P 5S9

Dear Mr. Leblanc:

Darlington NGS - Application for Renewal of Darlington Nuclear Generating Station Power Reactor Operating Licence PROL 13.00/2015

The purpose of this letter is to request to Canadian Nuclear Safety Commission (Commission) pursuant to Section 24(2) of the Nuclear Safety and Control Act and Section 5 (a) of the General Nuclear Safety and Control Regulations, renewal of Darlington Nuclear Generating Station (NGS) Power Reactor Operating Licence (PROL) 13.00/2015. The current PROL 13.00/2015 expires on December 31, 2015.

On December 13, 2013, Ontario Power Generation Inc. (OPG) submitted in Reference 1, an application for renewal of the Darlington's PROL (13.00/2014) for a term to cover the life extension activities, including refurbishment on the four Darlington NGS units. The life extension activities are expected to be completed by the end of 2028. On this basis, OPG had requested a licence term from December 31, 2014 to December 1, 2028.

In July 2014, at the request of OPG (Reference 2), the Commission granted Darlington's PROL extension for a one-year term from December 31, 2014 to December 31, 2015 (Reference 3).

This submission reaffirms OPG's request for renewal of Darlington's PROL for a period that will cover the refurbishment activities up to December 1, 2028. Taking into consideration the one-year licence extension, the requested licence term has been reduced accordingly and is now approximately 13 years instead of the 14 years that had been originally requested in Reference 1.

The required licence renewal information along with the rationale for the longer licence that was provided in Reference 1 remains unchanged. However, OPG will be submitting in accordance with Section 5(b) of the General Nuclear Safety and Control Regulations, an application addendum to provide updated station performance data and a summary of activities undertaken over the past year. In consultation with CNSC staff, the application addendum will be submitted to the Commission no later than January 30, 2015. A Regulatory Commitment will be entered to track completion of the addendum submission.

In November 2014, consistent with OPG's approach towards improving public information and engagement regarding Darlington NGS refurbishment and licence renewal, OPG conducted an open house where an estimated 3,500 members of the public attended a tour of Darlington's refurbishment training and mock-up facility. OPG plans to continue to conduct open houses of this nature on an annual basis and would like to extend an invitation to the Commission and Senior CNSC staff to tour our facilities prior to the Part 2 public hearing. OPG's application for Darlington's PROL renewal will also be posted on its external website www.opg.com.

Over the requested licence term OPG remains committed to safe plant operation in a manner that poses minimal risk to the public, to the employees and to the environment, and will continue to comply with Canada's international nuclear obligations.

By this submission, OPG hereby requests renewal of Darlington's PROL.

Should you have any questions or requests for further information please contact Mr. Doug Coleman, Manager, Regulatory Affairs or Mr. Richard MacEacheron, Manager, Nuclear Refurbishment Licencing Support, at (905) 623-6670 ext. 1093 or ext. 5651, respectively.

Sincerely,



Brian Duncan
Senior Vice President
Darlington Nuclear
Ontario Power Generation Inc.

cc: Dr. G. Rzentkowski - CNSC (Ottawa)
Mr. F. Rinfret - CNSC (Ottawa)
Mr. A. Ling - CNSC (Darlington)

- References:
1. OPG letter, B. Duncan to M. Leblanc, "Application for Renewal of the Darlington Nuclear Generating Station Power Reactor Operating Licence 13.00/2014", December 13, 2013. CD#NK38-CORR-00531-16490.
 2. OPG letter, B. Duncan to M. Leblanc, "Request for Amendment of the Darlington Nuclear Generating Station Power Reactor Operating Licence Expiry Date", June 18, 2014. CD#NK38-CORR-00531-16873.
 3. CNSC letter, Louise Levert to Brian Duncan, "Record of Proceedings and Licence - Ontario Power Generation Inc.", July 29, 2014, Edocs PDF 4476909, CD# NK38-CORR-00531-16926.

Summary of Regulatory Commitments, Regulatory Obligations and Regulatory Management Actions Made/Concurrence Requested

NK38-CORR-00531-17137

Submission Title: Darlington NGS - Application for Renewal of Darlington Nuclear Generating Station Power Reactor Operating Licence PROL 13.00/2015

Regulatory Commitments (REGC):

No.	Description	Date to be Completed
1.0	Submit an application addendum to provide updated station performance data and a summary of activities in support of Darlington's PROL renewal.	Jan. 30, 2015

Regulatory Management Action (REGM):

No.	Description	Date to be Completed
	None	

Regulatory Obligation Action (REGO):

No.	Description	Date to be Completed
	None	

Concurrence Requested:

OPG requests Darlington NGS Power Reactor Operating Licence renewal.