



Canadian Nuclear
Safety Commission

Commission canadienne
de sûreté nucléaire

Record of Proceedings, Including Reasons for Decision

In the Matter of

Applicant Ontario Power Generation Inc.

Subject Application to Amend the Darlington Nuclear
Generating Station Power Reactor Operating
Licence to Reflect Updates in Documentation

Hearing Date February 7, 2011

RECORD OF PROCEEDINGS

Applicant: Ontario Power Generation Inc.

Address/Location: 700 University Avenue
Toronto, Ontario
M5G 1X6

Purpose: Application to amend the Darlington Nuclear Generating Station
Power Reactor Operating Licence to Reflect Updates in
Documentation

Application received: January 5, 2010 and October 25, 2010

Date of hearing: February 7, 2011

Location: Canadian Nuclear Safety Commission (CNSC) Headquarters
280 Slater St., Ottawa, Ontario

Members present: M. Binder, Chair

Secretary: M. Leblanc
Recording Secretary: D. Major

Licence: Amended

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Introduction

1. Ontario Power Generation Inc. (OPG) has applied to the Canadian Nuclear Safety Commission¹ (CNSC) for three amendments to the Power Reactor Operating Licence for its Darlington Nuclear Generating Station (NGS) located in Clarington, Ontario. The current licence, PROL 13.12/2013, expires on February 28, 2013.
2. The changes requested by OPG are updates to the operating licence to reflect the most current revisions of the OPG document entitled “Nuclear Management System”, the OPG-Darlington document entitled “Station Shift Complement” and the OPG-Darlington document entitled “Site Security Report”.

Issue

3. In considering the application, the Commission was required to decide, pursuant to subsection 24(4) of the *Nuclear Safety and Control Act*² (NSCA):
 - a) if OPG is qualified to carry on the activity that the amended licence would authorize; and
 - b) if in carrying on that activity, OPG would make adequate provision for the protection of the environment, the health and safety of persons and the maintenance of national security and measures required to implement international obligations to which Canada has agreed.

Hearing

4. Pursuant to section 22 of the NSCA, the President of the Commission established a Panel of the Commission to review the application. The Commission, in making its decision, considered information presented for a hearing held on February 7, 2011 in Ottawa, Ontario. During the hearing, the Commission considered written submissions from CNSC staff (CMD 11-H102) and OPG (CMD 11-H102.1).

Decision

5. Based on its consideration of the matter, as described in more detail in the following sections of this *Record of Proceedings*, the Commission concludes that OPG has met the conditions of subsection 24(4) of the NSCA. Therefore,

¹ The *Canadian Nuclear Safety Commission* is referred to as the “CNSC” when referring to the organization and its staff in general, and as the “Commission” when referring to the tribunal component.

² Statutes of Canada (S.C.) 1997, chapter (c.) 9.

the Commission, pursuant to section 24 of the *Nuclear Safety and Control Act*, amends the Power Reactor Operating Licence PROL 13.12/2013 issued to Ontario Power Generation Inc. for its Darlington Nuclear Generating Station located in Clarington, Ontario. The amended licence, PROL 13.13/2013, is valid until February 28, 2013.

Issues and Commission Findings

Qualifications and Protection Measures

6. OPG requested an update to Appendix B of the operating licence to reflect the most current revision, Revision 14, of the OPG document entitled “Nuclear Management System”. CNSC staff reported that the changes to this document reflect the consolidation of some OPG internal programs and does more appropriately align the document with CSA Standard requirements. CNSC staff found that this document meets the regulatory requirements and stated that a detailed review is expected to follow which will not involve an amendment of the PROL.
7. OPG requested an update to licence condition 2.3 and Appendix B to reflect the most current revision, Revision 9, of the OPG-Darlington document entitled “Station Shift Complement”. CNSC staff reported that the revision of this document increases the required presence of Authorized Nuclear Operators (ANO) in the control room from five to six at any given time as well as deleting the role of the Supervised Control Panel Operator (SCPO) to oversee the unit in the absence of a qualified ANO. CNSC staff also reported that discussions occurred between CNSC staff and OPG in regards to the deletion of the Normal Shift Complement numbers from the submitted document and that OPG answered all of CNSC staff’s questions on this matter. CNSC staff found that OPG-Darlington’s “Station Shift Complement” document meets regulatory requirements.
8. OPG also requested an update to licence condition 10.1 and Appendix B to reflect the most current revision, Revision 5, of the OPG-Darlington document entitled “Site Security Report”. CNSC staff reported that these confidential changes are administrative and procedural in nature. CNSC staff found that the revised Site Security Report meets the CNSC Regulatory Requirements and that all concerns raised during the review of the document were adequately addressed.
9. CNSC staff reported that the proposed changes are administrative in nature and will not adversely affect the safe operation of the Darlington NGS. CNSC staff also considers that the proposed revised documents are acceptable to reference in the operating licence.

10. CNSC staff has determined that, since the requested amendments are administrative, these changes will have no adverse impact on the Aboriginal rights or Treaty rights of Aboriginal groups. CNSC staff stated that Aboriginal consultation was not necessary in relation to the proposed licence amendments.

Application of the *Canadian Environmental Assessment Act*

11. Before making a licensing decision, the Commission must be satisfied that all applicable requirements of the *Canadian Environmental Assessment Act*³ (CEAA) have been fulfilled.
12. CNSC staff reported that it had completed an Environmental Assessment (EA) determination. CNSC staff stated that there was no requirement for an EA pursuant to subsection 5(1) of the CEAA.

Conclusion

13. The Commission has considered the information and submissions of CNSC staff and OPG and is satisfied that the requested amendments are administrative in nature and will not adversely impact the safety of the Darlington NGS operations. The Commission is also satisfied that aboriginal consultation is not necessary in relation to the proposed amendments.
14. The Commission is satisfied that all applicable requirements of the CEAA have been fulfilled.



Michael Binder
President,
Canadian Nuclear Safety Commission

FEB 07 2011

Date

³ S.C. 1992, c. 37.