



Canadian Nuclear
Safety Commission

Commission canadienne
de sûreté nucléaire

Record of Proceedings, Including Reasons for Decision

In the Matter of

Applicant Bruce Power Inc.

Subject Application to Amend the Bruce Nuclear
Generating Stations A and B Power Reactor
Operating Licences

Hearing Date April 24, 2014

e-Doc 4421832 (WORD)
e-Doc 4423908 (PDF)

Canada

RECORD OF PROCEEDINGS

Applicant: Bruce Power Inc.

Address/Location: P.O. Box 1540, RR#2, Building B10, 177 Tie Road,
Municipality of Kincardine, Tiverton, Ontario, N0G 2T0

Purpose: Application to Amend the Bruce Nuclear Generating
Stations A and B Power Reactor Operating Licences

Application received: February 24 and March 28, 2014

Date of hearing: April 24, 2014

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

Members present: M. Binder, Chair

Secretary: M. Leblanc
Recording Secretary: D. Carrière

Licence: Amended

Table of Contents

1.0 INTRODUCTION..... 1
2.0 DECISION..... 2
3.0 ISSUES AND COMMISSION FINDINGS 2
4.0 CONCLUSION 3

1.0 INTRODUCTION

1. Bruce Power Inc. (Bruce Power) has submitted a request to the Canadian Nuclear Safety Commission¹ (CNSC), under subsection 24(2) of the *Nuclear Safety and Control Act*² (NSCA), for an amendment to the Power Reactor Operating Licences (PROLs) for its Bruce Nuclear Generating Stations (NGS) A and B located in the Municipality of Kincardine, Ontario. The current Bruce NGS A licence, PROL-15.01/2014, and Bruce NGS B licence, PROL-16.01/2014, expire on October 31, 2014.
2. The Bruce NGS A and B nuclear facilities comprise eight 904-megawatt Canada Deuterium Uranium (CANDU) reactors and their associated equipment (Units 1-4 for Bruce NGS A and Units 5-8 for Bruce NGS B). Both Bruce NGSs A and B are located on the Bruce Nuclear Power Development site. The NGSs are both owned by Ontario Power Generation Inc. and have been operated by Bruce Power under a lease agreement since 2001.
3. Bruce Power requested an extension of the expiry date of the current Bruce NGSs A and B PROLs by seven months to allow suitable adjustment of the public hearing schedule to provide a more fulsome public discussion. Bruce Power also requested the correction of typographical errors in Appendix C of the Bruce B operating licence regarding derived release limits.

Issue

4. In considering the application, the Commission was required to decide, pursuant to subsection 24(4) of the NSCA:
 - a) if Bruce Power is qualified to carry on the activity that the amended licence would authorize; and
 - b) if, in carrying on that activity, Bruce Power 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

5. 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 April 24, 2014 in Ottawa, Ontario. During the hearing, the Commission considered written submissions from Bruce Power (CMD 14-H106.1) and CNSC staff (CMD 14-H106).

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.

2.0 DECISION

6. 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 Bruce Power has met the conditions of subsection 24(4) of the NSCA. Therefore,

the Commission, pursuant to section 24 of the *Nuclear Safety and Control Act*, amends the Power Reactor Operating Licence PROL-15.01/2014 issued to Bruce Power Inc. for its Bruce Nuclear Generating Station A located in the Municipality of Kincardine, Ontario. The amended licence, PROL-15.00/2015, is valid until May 31, 2015, unless suspended, amended, revoked or replaced.

The Commission, pursuant to section 24 of the *Nuclear Safety and Control Act*, amends the Power Reactor Operating Licence PROL-16.01/2014 issued to Bruce Power Inc. for its Bruce Nuclear Generating Station B located in the Municipality of Kincardine, Ontario. The amended licence, PROL-16.00/2015, is valid until May 31, 2015, unless suspended, amended, revoked or replaced.

7. The Commission includes in the licence the conditions as recommended by CNSC staff in CMD 14-H106.

3.0 ISSUES AND COMMISSION FINDINGS

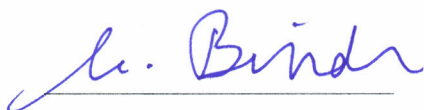
8. Bruce Power applied for an amendment to the expiry date of the PROLs to allow for more meaningful public participation in the hearing process. The elevated intervenor interest at recent public hearings suggests that, moving forward into the next 40 years of nuclear power generation, it is important to establish a foundation of solid public review. This amendment would ensure that all relevant documentation is available in time to facilitate public participation.
9. CNSC staff reported that Bruce Power's application to amend the expiry date of the PROL has no impact on the nuclear substances, land, areas, buildings, structures, components, equipment and systems at the Bruce NGSs A and B.
10. CNSC staff also considers that, based on Bruce Power's past performance and ongoing CNSC oversight, Bruce Power is meeting and will continue to meet the regulatory requirements outlined in the PROLs and will thereby continue to operate the Bruce NGSs A and B facilities safely. With the current regulatory framework in place, there are no nuclear safety related issues that would be negatively affected by the proposed licence amendments.
11. CNSC staff reported that Bruce Power had also requested an amendment to Appendix C

of the Bruce NGS B PROL to correct three typographical errors that were inadvertently transferred into PROL 16.01/2014.

12. CNSC staff stated that Bruce Power would be expected to submit supplemental information to the licence renewal application that was submitted in October 2013.

4.0 CONCLUSION

13. The Commission has considered the information and submissions from Bruce Power and CNSC staff and is satisfied that the requested amendments will not adversely impact the safety of the Bruce NGSs A and B operations.



Michael Binder
President,
Canadian Nuclear Safety Commission

APR 24 2014

Date