



Canadian Nuclear  
Safety Commission

Commission canadienne  
de sûreté nucléaire

# Record of Proceedings, Including Reasons for Decision

In the Matter of

**Applicant**

**Bruce Power Inc.**

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**Subject**

**Application to Amend the Bruce Nuclear  
Generating Station B Power Reactor Operating  
Licence**

**Hearing Date**

**January 23, 2014**

## **RECORD OF PROCEEDINGS**

Applicant: Bruce Power Inc.

Address/Location: P.O. Box 1540, B10, 4<sup>th</sup> Floor W., Tiverton, ON N0G 2T0

Purpose: Application to amend the Bruce Nuclear Generating Station B Power Reactor Operating Licence

Application received: November 12, 2013

Date of hearing: January 23, 2014

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

Members present: M. Binder, Chair

Secretary: M. Leblanc  
Recording Secretary: S. Gingras

**Licence:** Amended

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## 1.0 INTRODUCTION

1. Bruce Power Inc. (Bruce Power) has submitted a request to the Canadian Nuclear Safety Commission<sup>1</sup> (CNSC), under subsection 24(2) of the *Nuclear Safety and Control Act*<sup>2</sup> (NSCA), for an amendment to the Nuclear Power Reactor Operating Licence for its Bruce Nuclear Generating Station B located in the Municipality of Kincardine, Ontario. The current licence, PROL 16.00/2014, expires on October 31, 2014.
2. The proposed amendments include the addition of CNSC regulatory document RD/GD-99.3 “Public Information and Disclosure” to the Bruce B operating licence, and updating the Bruce B operating licence with Bruce Power’s revised environmental Derived Release Limits (DRLs).
3. The Bruce NGS B nuclear facility comprises four 904-megawatt Canada Deuterium Uranium (CANDU) reactors and their associated equipment (Unit 5, Unit 6, Unit 7 and Unit 8). The separately licensed Bruce NGS A, consisting of four similar reactor units, is located immediately adjacent to Bruce B. Both Bruce B and the separately licensed Bruce NGS A, consisting of four similar reactor units, 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.

4.

### Issue

5. 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

6. 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 January 23, 2014 in Ottawa, Ontario. During the hearing, the Commission considered written submissions from Bruce

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<sup>1</sup> 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.

<sup>2</sup> Statutes of Canada (S.C.) 1997, chapter (c.) 9.

Power (CMD 13-H108.1) and CNSC staff (CMD 13-H108).

## 2.0 DECISION

7. 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 Nuclear Power Reactor Operating Licence PROL 16.00/2014 issued to Bruce Power Inc. for its Bruce Nuclear Generating Station B located in the Municipality of Kincardine, Ontario. The amended licence, PROL 16.01/2014, is valid until October 31, 2014.

8. The Commission includes in the licence the conditions as recommended by CNSC staff in CMD 13-H108.

## 3.0 ISSUES AND COMMISSION FINDINGS

9. CNSC staff reported that RD/GD-99.3 is a new standard and was therefore not addressed in the previous licence renewal application. In the meantime, Bruce Power has adopted and implemented the requirements of RD/GD-99.3. Bruce Power has therefore requested this licence amendment to refer to this new regulatory document. CNSC staff agrees with the proposed amendment and therefore recommends adding a reference to this regulatory document in licence condition 1.7.
10. CNSC staff noted that the Bruce B Licence Conditions Handbook (LCH) states that Bruce Power is to review and, if necessary, revise and reissue the DRLs referenced in the licence at least once per licence period. The DRLs were last updated in 2008. Bruce Power therefore proposed new limits with the technical justification, which CNSC staff recently accepted. CNSC staff provided details on the basis for the new DRLs and noted that these changes have no significant effect on nuclear substances, land, area, buildings, structures, components, equipment and systems encompassed by the Bruce B licence. CNSC staff therefore proposes to update Appendix C of the operating licence to reflect the new DRLs.
11. CNSC staff concluded that, given the administrative nature of the proposed licence amendments, there are no impacts on the environment.

## 4.0 CONCLUSION

12. The Commission has considered the information and submissions from Bruce Power and CNSC staff and is satisfied that the requested amendments are administrative in nature

and will not adversely impact the safety of the Bruce Power operations.

A handwritten signature in blue ink that reads "M. Binder". The signature is written in a cursive style and is positioned above a horizontal line.

Michael Binder  
President,  
Canadian Nuclear Safety Commission

JAN 23 2014

Date