



Environmental Assessment Information Report: Bruce Power Inc. – Bruce A and B Nuclear Generating Stations – Licence Renewal

February 2015



EXECUTIVE SUMMARY

This Environmental Assessment (EA) Information Report (from now on referred to as EA Report), written by Canadian Nuclear Safety Commission (CNSC) staff for the Commission and the public, describes the findings of the EA review process completed for the application by Bruce Power to renew their existing CNSC licences for their Kincardine, Ontario facilities.

The EA focused on items that are of current public and regulatory interest such as effluent releases, public dose calculations, and specific environmental components. Environmental effects reviews have been completed under the *Nuclear Safety and Control Act* since 2000 including an ecological effects review and an environmental risk assessment (ERA). An ERA is updated periodically with the results from the environmental and effluent monitoring program and is carried out using tiers of assessment (Tier 1, 2, and 3), where issues that require more detailed consideration are identified and assessed in greater detail. A Tier 1 environmental risk assessment for Bruce A and B was completed in March 2013. A Tier 2/3 is expected to be submitted at the end of 2014. Three previous EAs under the *Canadian Environmental Assessment Act, 1992* have been conducted for Bruce Power facilities and have been summarized in this EA Report.

CNSC staff have also conducted independent monitoring near the Bruce Power site and a summary of the results is included. This information forms part of the data that support CNSC staff's conclusion on the EA. Finally, the EA Report discusses Bruce Power's engagement with the public and Aboriginal groups with respect to the protection of the environment.

The EA conducted for the Bruce Power licence renewal concludes that Bruce Power has and will continue to make adequate provision for the protection of the environment and the health of persons. The CNSC environmental compliance monitoring program, as part of normal regulatory oversight, will ensure that Bruce Power will continue to be in compliance with CNSC requirements.