



Environmental Assessment Report:
Cameco Corporation
Port Hope Conversion Facility Operating Licence
Renewal

September 2016



EXECUTIVE SUMMARY

The Canadian Nuclear Safety Commission (CNSC) conducts environmental assessments (EA) under the *Nuclear Safety and Control Act* (NSCA) for all projects, in accordance with its mandate, to ensure the protection of the environment and the health of persons. The safety component of CNSC's mandate is covered in the safety case assessment carried out for all projects.

This EA Report, written by CNSC staff for the Commission and the public, describes the findings of the EA under the NSCA completed for the licence application by Cameco to renew the Port Hope Conversion Facility (PHCF) nuclear fuel facility operating licence, FFO-3631.0/2017. During the licensing period, Cameco is also proposing to implement the Vision in Motion (VIM) project. This EA Report includes CNSC staff's assessment of the activities and follow-up program requirements of the Proposed Comprehensive Study Report for Cameco Corporation's Proposed Redevelopment of the Port Hope Conversion Facility, the licence application and the documents submitted in support of the application, annual environmental monitoring reports, the results of previous studies, compliance verification activities (e.g., inspections, audits, reviews, etc.) conducted at the PHCF site, findings of CNSC's Independent Environmental Monitoring Program (IEMP) and the Preliminary Decommissioning Plan.

The EA Report focuses on items that are of current public and regulatory interest such as releases to air, groundwater and surface water, and an update on the VIM project to remove contaminated soils from the PHCF, Centre Pier and Dorset Street East sites.

CNSC staff's findings from this EA under the NSCA include, but are not limited to, the following:

- Cameco's environmental protection programs meet CNSC regulatory requirements.
- Cameco's Environmental Risk Assessment assessed the potential environmental (ecological and human health) effects from the PHCF emissions and is in compliance with CSA standard N288.6-12.
- The results of CNSC's IEMP confirm that the public and the environment in the vicinity of the PHCF site are protected from the releases of the facility.

Based on the EA under CEAA for the redevelopment of the PHCF and the EA under the NSCA conducted for this licence application, CNSC staff conclude that Cameco has and will continue to make adequate provision for the protection of the environment and the health of persons until decommissioning and abandonment of the site.