



Report on the Clean-up and Abandonment of Shield Source Inc.



March 2015



EXECUTIVE SUMMARY

This report, written by Canadian Nuclear Safety Commission (CNSC) staff for the public, describes the clean-up and abandonment of the Shield Source Inc. (SSI) facility, and the results of past and ongoing site monitoring activities. SSI was established in 1986 and was a manufacturer of gaseous tritium light sources used in the production of self-illuminating signs (e.g., emergency exit signs) at their facility located in Peterborough, Ontario. In March 2013, SSI notified the CNSC and the public of its intention to cease operations and seek the release of the facility from CNSC regulatory control. SSI was required by CNSC staff to develop a plan for clean-up and decontamination of its facility. Detailed planning ensured the public, workers and the environment were protected during all clean-up and decontamination activities.

Clean-up and decontamination work was planned and carried out by qualified SSI and third party (RadSafe) staff under the regulatory oversight of CNSC inspectors. In addition to SSI monitoring and reporting, the CNSC also conducted independent sampling of air, soil and water, and verified all regulatory requirements and clean-up criteria were met. Following all clean-up and decontamination activities, CNSC staff concluded that the building was safe and there is no health risk to the community or the environment; therefore, the building was released for unrestricted industrial use.

The CNSC announced its decision on March 28, 2014 to issue a Licence to Abandon to SSI for its facility located in Peterborough. As of April 1, 2014, SSI was no longer subject to CNSC regulatory control, and the facility was released for unrestricted industrial use.