



Radioactive waste management: Common requirements of the CSA N292 series of Standards



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Preface

This is the third edition of CSA N292.0, *Radioactive waste management: Common requirements of the CSA N292 series of Standards*. It supersedes the previous editions published in 2019 and 2014, under the title *General principles for the management of radioactive waste and irradiated fuel*.

Changes from the previous edition to this edition include the following:

- a) the contents of this Standard have been restructured and consolidated to align with the steps in radioactive waste management (i.e., generation, handling, processing, transport, storage, and disposal);
- b) requirements and guidance on Indigenous, public, and stakeholder engagement have been added for waste management facilities;
- c) the contents of CSA N292.3, *Management of low- and intermediate-level radioactive waste*, pertaining to packaging, processing, handling, and storage for decay have been merged into this Standard; as such, this edition of this Standard also supersedes CSA N292.3;
- d) Figure 1 has been replaced with an illustration of the steps in radioactive waste management;
- e) Annex A has been limited to address radioactive waste classification only;
- f) Annex B has been removed since its contents (on methods of waste characterization) are now included in CSA N292.8; and
- g) Annex C (Bibliography) has been removed.

This Standard is part of the CSA N292 series of Standards on radioactive waste management. It specifies common requirements and guidance throughout the process of managing radioactive waste and irradiated fuel. This is the CSA N292 series' umbrella Standard, which is to be used in concert with all other Standards in the CSA N292 series.

The CSA N-Series Standards provide an interlinked set of requirements for the management of nuclear facilities and activities. CSA N286 provides overall direction to management to develop and implement sound management practices and controls, while the other CSA Group nuclear Standards provide technical requirements and guidance that support the management system. This Standard works in harmony with CSA N286 and does not duplicate the generic requirements of CSA N286; however, it might provide more specific direction for those requirements.

This Standard draws on the experience both in Canada and internationally in the management of radioactive waste and irradiated fuel and reflects current best practices.

Users of this Standard are reminded that the design, manufacture, construction, commissioning, operation, and decommissioning of nuclear facilities in Canada are subject to the provisions of the *Nuclear Safety and Control Act* and its supporting Regulations.

This Standard was prepared by the Subcommittee on Management of Radioactive Waste and Irradiated Fuel, under the jurisdiction of the Technical Committee on Radioactive Waste Management and the Strategic Steering Committee on Nuclear Standards, and has been formally approved by the Technical Committee.

Notes:

- 1) *Use of the singular does not exclude the plural (and vice versa) when the sense allows.*
- 2) *Although the intended primary application of this Standard is stated in its Scope, it is important to note that it remains the responsibility of the users of the Standard to judge its suitability for their particular purpose.*
- 3) *This Standard was developed by consensus, which is defined by CSA Policy governing standardization — Code of good practice for standardization as “substantial agreement. Consensus implies much more than a simple*