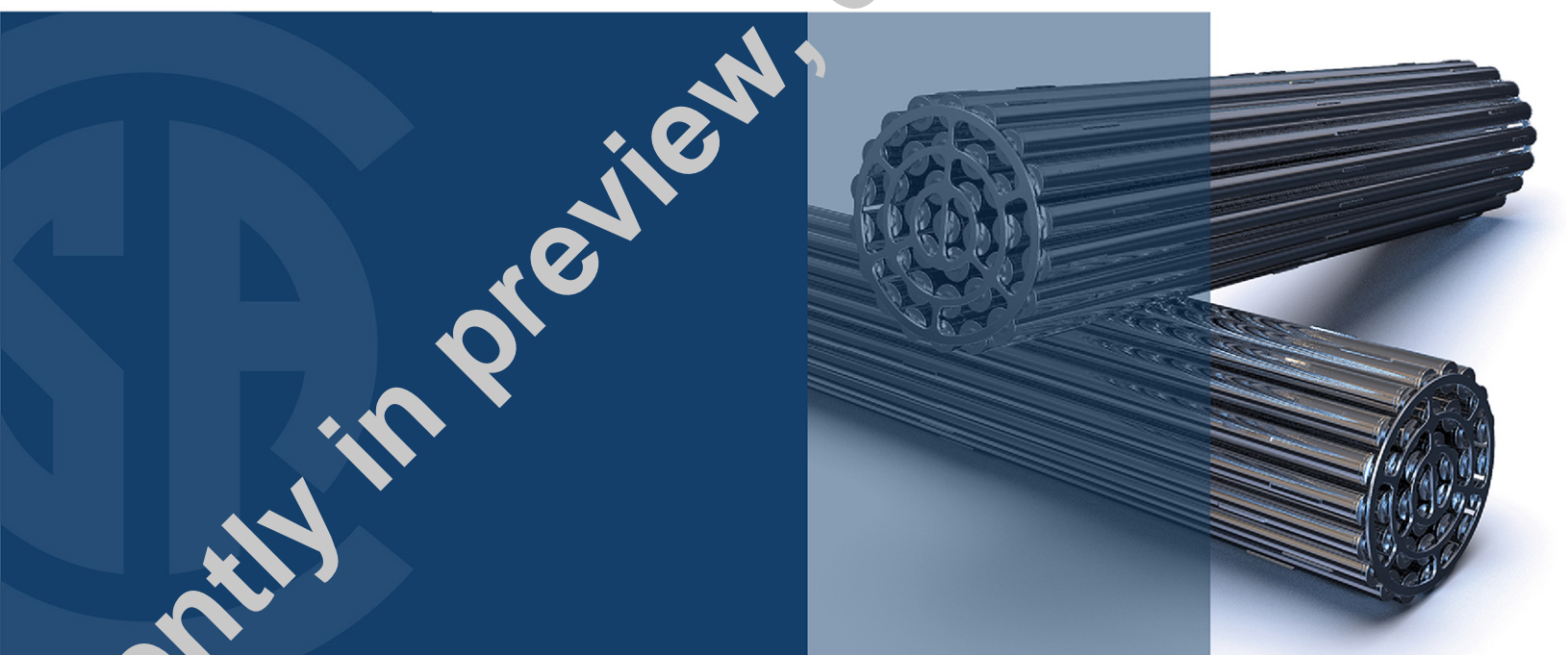




# Storage of radioactive waste and irradiated fuel



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# Preface

This is the first edition of CSA N292.4, *Storage of radioactive waste and irradiated fuel*. This Standard is part of the CSA N292 series of Standards on radioactive waste management.

This Standard is a consolidation of and replaces CSA N292.1, *Wet storage of irradiated fuel and other radioactive materials*, and CSA N292.2, *Interim dry storage of irradiated fuel*. In addition to the contents of those two Standards, this Standard draws on clauses developed for CSA N292.7, *Deep geological disposal of radioactive waste and irradiated fuel*, where relevant, to ensure that the entire lifecycle of facilities that include storage of radioactive waste or irradiated fuel is covered in this Standard. This includes, but is not limited to, adding requirements and guidance on engagement, site evaluation, monitoring and surveillance, site preparation, construction, and commissioning.

This Standard works in concert with CSA N292.0, *General principles for the management of radioactive waste and irradiated fuel*, which specifies common requirements for the management of radioactive waste or irradiated fuel.

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 storage of radioactive waste, irradiated fuel, or other radioactive materials 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 Storage 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.

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- 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.*
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