

CAC Sept. 17, 2019 – APPENDIX

For all the latest CNSC news, visit CNSC's homepage at <http://www.nuclearsafety.gc.ca/eng/>

From: CNSC.Info.CCSN@canada.ca <CNSC.Info.CCSN@canada.ca>

Sent: Friday, September 20, 2019 5:14 PM

Subject: Correction: CNSC's participation in the 63rd IAEA General Conference in Vienna

Today marks the end of the 63rd International Atomic Energy Agency (IAEA) General Conference in Vienna, where high-ranking officials and representatives from Member States, nuclear regulatory bodies and industry gathered to consider a range of issues and opportunities. The Canadian Nuclear Safety Commission (CNSC) delegation, headed by President Rumina Velshi, actively contributed to the event by sharing knowledge and expertise while working to strengthen relationships through a series of bilateral meetings and side events.

The Conference focused on emerging matters that are shaping the rapid evolution of the nuclear sector. President Velshi joined members of the International Nuclear Regulators Association to discuss the importance of workforce planning and knowledge management, as well as the CNSC's vision and preparation for regulating innovative technologies.

Following this, Ms. Velshi participated in a side event hosted by Canada, where she stressed the need for the CNSC to sustain its efforts and to continue to seek stakeholders' values and interests to gain public trust.

The Conference also marked the 20th milestone of the IAEA Emergency Preparedness Review. For this occasion, CNSC Executive Vice-President Ramzi Jammal took the opportunity to provide an overview of lessons learned from Canada's experience hosting a mission in June 2019.

Finally, driven by willingness and commitment to strengthen relationships and the level of cooperation with the CNSC's counterparts, Ms. Velshi signed a memorandum of understanding with Morocco, France and Ghana respectively, formalizing efforts to cooperate and exchange information in nuclear regulatory matters. To find out more about

this: <http://www.nuclearsafety.gc.ca/eng/resources/international-cooperation/international-agreements.cfm#Countries>

The CNSC's participation at this annual event further strengthens its position as a global leader in nuclear safety. Moving forward, we remain committed to further engaging with regulators and industry worldwide as we continue to advance the development of sound nuclear regulation at home and abroad.

Read President Velshi's remarks on what it takes to be a trusted regulator: <http://www.nuclearsafety.gc.ca/eng/resources/presentations/remarks-by-president-rumina-velshi-at-the-63-iaea-general-conference-2019.cfm>

From: CNSC.Info.CCSN@canada.ca <CNSC.Info.CCSN@canada.ca>
Sent: Friday, September 13, 2019 1:56 PM
Subject: IRRS mission wraps up

Today marks the end of the Integrated Regulatory Review Service (IRRS) mission that assessed Canada's framework for nuclear safety. The Canadian Nuclear Safety Commission (CNSC) requested the mission from the International Atomic Energy Agency (IAEA) in order to benchmark its regulatory framework against international standards and best practices.

The preliminary results of the mission confirmed that the CNSC has a strong and effective regulatory framework and demonstrated leadership in multiple areas. The review team recognized the CNSC for a number of outstanding practices that go beyond the fulfilment of current requirements or expectations. These practices include:

- the CNSC's commitment to ensure full transparency, openness, involvement, dialogue and accountability with the public, stakeholders and interested parties about its regulatory activities and decisions
- the CNSC's extensive guidance for proponents submitting licence applications for small modular reactors
- the CNSC's program to help the public safely deal with historic radium luminous devices
- the reliability of the CNSC's process for the certification of transport packages, including communication about it and knowledge sharing with certification engineers

The review team also identified opportunities for improvement that included ensuring that radiation protection requirements are consistent with international standards.

"I am pleased that the CNSC has been recognized internationally for our regulatory leadership in key areas," said Rumina Velshi, CNSC President. "As part of our ongoing commitment to continuous improvement, I welcome the suggestions from the mission team and look forward to addressing the report recommendations, thereby enhancing nuclear safety in Canada."

The IRRS mission report will be finalized in the coming months. The report, as well as the CNSC action plan to address the mission team's findings and recommendations for improvements, will be made available to the public on the CNSC website.

For more information, read the IAEA news release on the CNSC's IRRS mission: <https://www.iaea.org/newscenter/pressreleases/iaea-mission-recognizes-canadas-commitment-to-safety-sees-areas-for-enhancement>

From: CNSC.Info.CCSN@canada.ca <CNSC.Info.CCSN@canada.ca>
Sent: Wednesday, September 11, 2019 10:47 AM
Subject: The CNSC is pleased to publish the fifth edition of the Science of Safety Report 2017-18

The Canadian Nuclear Safety Commission (CNSC) is pleased to publish the fifth edition of the Science of Safety Report 2017-18, an initiative that is part of its commitments to integrate the best available

science with its decision-making.

The document summarizes the research projects and initiatives that the CNSC supported during the 2017–18 fiscal year.

In addition, this report and the regulatory research it outlines play an essential role in our continued fulfillment of our mission and demonstrates the CNSC's continuous leadership in and commitments to research, and our goals to strengthen nuclear safety standards and safeguards.

Scientific information will always be the foundation of regulatory activities, actions, recommendations and decisions when it comes to protecting the health and safety of Canadians and the environment.

Read the report <http://www.nuclearsafety.gc.ca/eng/resources/publications/reports/reports/science-of-safety/2017-18/index.cfm>

From: CNSC.Info.CCSN@canada.ca <CNSC.Info.CCSN@canada.ca>

Sent: Thursday, August 22, 2019 10:09 AM

Subject: Publication of REGDOC-1.1.5, Supplemental Information for Small Modular Reactor Proponents

The Canadian Nuclear Safety Commission (CNSC) has published REGDOC-1.1.5, Supplemental Information for Small Modular Reactor Proponents.

REGDOC-1.1.5 is a new regulator document meant to be used in conjunction with three other CNSC regulatory documents (REGDOC-1.1.1, REGDOC-1.1.2, and REGDOC-1.1.3). These documents set out requirements and guidance for an applicant to consider prior to submitting a licence application to the CNSC for a small modular reactor. REGDOC-1.1.5 also identifies the CNSC's considerations in assessing the adequacy of a licence application.

This regulatory document is part of the CNSC's reactor facilities series of regulatory documents, which also covers licence application guides for licences to construct, operate and decommission nuclear power plants.

For more information: <https://www.nuclearsafety.gc.ca/eng/acts-and-regulations/regulatory-documents/history/regdoc1-1-5.cfm>

From: CNSC.Info.CCSN@canada.ca <CNSC.Info.CCSN@canada.ca>

Sent: Thursday, August 15, 2019 1:49 PM

Subject: CNSC and U. S. NRC sign a Memorandum of Cooperation to enhance technical reviews of Advanced/Small Modular Reactor technologies

Today, Canadian Nuclear Safety Commission (CNSC) President Rumina Velshi and United States' (U. S.) Nuclear Regulatory Commission (NRC) Chairman Svinicki signed a Memorandum of Cooperation (MoC) aimed at ensuring that current and future development and deployment of advanced reactor and small modular reactor technologies are done in a safe and efficient manner.

During the official signing ceremony, President Velshi spoke about her priority of global influence and

the CNSC's commitment to engaging in international cooperation activities that foster relationships, strengthen frameworks and share best practices to improve nuclear safety: "Globally, interest and advances in small modular and advanced reactors are growing rapidly. The CNSC and the U.S. NRC are working together as regulatory leaders to ensure the development and deployment of these innovative technologies are done safely and efficiently," she stated.

"The signing of this memorandum further strengthens our long-standing history of collaboration with our U.S. counterparts and ensures the effectiveness and efficiency of our regulatory oversight for the future," she added.

Chairman Svinicki stated the following: "Today's signing of this memorandum further shapes our commitment to open and transformative thinking with our Canadian partners, enhancing our willingness to work together on matters of advanced nuclear power safety developments while increasing regulatory effectiveness. Advanced technologies are emerging at a rapid pace, demanding that regulators keep in step with modernization initiatives and the technologies of the future."

This Memorandum is a testament to our successful relationship with our U. S. counterpart and our mutual commitment to excellence in nuclear safety regulation.

From: CNSC.Info.CCSN@canada.ca <CNSC.Info.CCSN@canada.ca>

Sent: Wednesday, July 31, 2019 3:06 PM

Subject: CNSC published REGDOC-2.8.1, Conventional Health and Safety

The Canadian Nuclear Safety Commission (CNSC) has published REGDOC-2.8.1, Conventional Health and Safety. This document provides information for the implementation of a program to manage workplace safety hazards and to protect workers.

Occupational health and safety (OHS) seeks to prevent worker illness and injuries through the proactive identification and mitigation of hazards. OHS in a nuclear setting consists of four Safety and Control Area (SCAs): Conventional Health and Safety; emergency management and fire protection; physical design, and radiation protection. The CNSC evaluates each SCA to determine whether licensees meet the regulatory requirements set out in the Nuclear Safety and Control Act (NSCA) and its associated regulations.

REGDOC-2.8.1 applies to all CNSC-licensed activities and is part of the CNSC's conventional health and safety series of regulatory documents.

For more information:

<http://www.nuclearsafety.gc.ca/eng/acts-and-regulations/regulatory-documents/history/regdoc2-8-1.cfm>

From: CNSC.Info.CCSN@canada.ca <CNSC.Info.CCSN@canada.ca>

Sent: Friday, July 26, 2019 11:51 AM

Subject: CNSC shares SMR licensing experience globally

Over the past decade, the Canadian Nuclear Safety Commission (CNSC) has been preparing to regulate small modular reactor (SMR) technology in Canada. It has adapted its regulatory processes to ensure that requirements are aligned with international safety objectives and best practices, such as those of

the International Atomic Energy Agency (IAEA).

This week, the CNSC hosted the first IAEA consultancy meeting on SMR licensing in Ottawa, with representatives from Canada, Argentina, China, the Russian Federation, South Africa and the United Kingdom. Participants discussed various technologies based on new scientific and engineering information, as well as guidance on interpreting regulatory requirements, which are updated as global experience is shared.

The CNSC is proud to facilitate early engagement opportunities for both technology developers and potential licence applicants, so that they can fully understand regulatory requirements and identify where they need to address potential issues before engaging in the licensing process.

The CNSC recently received a project description from Global First Power seeking a licence to prepare site for an SMR at the Chalk River Laboratories site, located in Renfrew County, Ontario (approximately 200 km northwest of Ottawa). The project description is now open for public comment.

For more information, visit: http://www.nuclearsafety.gc.ca/eng/resources/environmental-assessments/ongoing/ontario/EA_80182.cfm

To learn more about the CNSC's role in regulating SMRs, visit: <https://www.nuclearsafety.gc.ca/eng/reactors/research-reactors/other-reactor-facilities/small-modular-reactors.cfm>