Canadian Nuclear Safety Commission | Commission canadienne de sûreté nucléaire

Canada

Reinventing Regulatory Oversight Reporting

Presentation to the Commission

March 26, 2026

CMD 26-M9

CNSC Staff Presentation

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Purpose

The purpose of this presentation to the Commission is to:

- Provide background and context on the Reinventing Regulatory Oversight Reporting project
- Present CNSC staff's rationale and recommended changes
- Outline the plan for implementation

Background

- Prior to 2012, Regulatory Oversight Reports (RORs) were used as a communication tool but since have become a Commission Meeting item to provide annual public updates on CNSC-licensed facilities
  - Over the years, the scope of the RORs has steadily grown
- In 2020, CNSC staff launched a project to streamline the RORs, to improve both effectiveness and efficiency
  - Presented to the Commission in 2022
- While the Commission was in favour of the proposed changes, the project was paused due to other priorities
- In 2025, as part of the CNSC's new strategic plan, staff re-initiated the project to improve our regulatory reporting

Drivers for change

Effort required

Annual production of RORs requires **significant time and effort**

Timeliness

Information that is **not up to date or timely**

(2024 RORs presented in March 2026)

Length

Long, unwieldy documents

(Average of 170 pages per ROR)

The path forward for regulatory oversight reporting must improve efficiency, timeliness and overall usefulness

Strategic opportunity statement

- **Current Challenge**
  - In their current format RORs do not adequately deliver timely, focused, and efficient regulatory performance information.
- **Opportunity**
  - Transitioning to a modernized model represents an opportunity to strengthen transparency, enhance public trust, and leverage innovative tools for more accessible and impactful communication.

Project details

- Due to the impact this project has on internal and external interest holders, it is being carefully managed:
  - CNSC Executive Vice President, Ramzi Jammal, is the project champion
  - Project updates are provided periodically to the CNSC Executive Team
  - Project governance has been established, including representation from key functional areas, and experts from all relevant areas of the organization assigned to the project team

Project objective

The new model for regulatory oversight reporting must meet these objectives:

- **Factual:** Data driven
- **Clear:** Provide concise, easily disseminated information in plain language
- **User-Centric:** Consider needs of audiences and allows for user-controlled level of detail
- **Timely:** Reporting is timely with respect to performance data
- **Efficient:** Reporting is carried out with reduced CNSC staff time
- **Responsive:** Interest holders have the ability to pose questions on data and receive responses

Guiding principles

You can see our work

Principle 1: Transparency and Accessibility

- Provide clear, concise and timely regulatory information
- Ensure easy access for all interested parties
- Use modern tools and adapt to new ways of showcasing performance and oversight information

We listen

Principle 2: Meaningful dialogue

- Enable structured opportunities for input
- Respect diverse perspectives

Regulatory oversight reporting model elements

- Dashboards
- Open Government Portal
- CNSC Website (nuclearsafety.gc.ca)
- Accountability structure
- Engagement approach

Dashboards (1/2)

- **Description:** Tool used to display performance indicators and information in a clear, graphical format
- **Current status:** Currently considering five dashboards to represent the different Program areas:
  - Nuclear Power Plants
  - Uranium Mines and Mills
  - Use of Nuclear Substances
  - Uranium and Nuclear Substance Processing Facilities
  - Canadian Nuclear Laboratories
- **Next steps:** Finalizing dashboard prototypes

Dashboards (2/2)

Overview

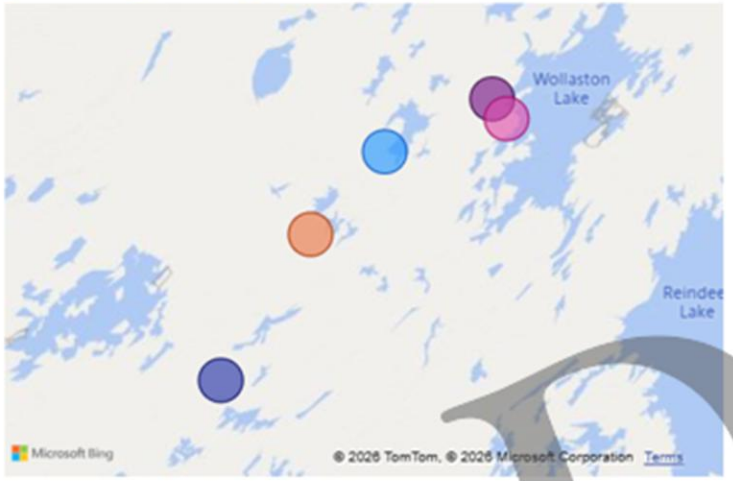
Year: 2024

General Conclusion

In 2024, CNSC staff determined that all uranium mine and mill facilities with a licence to operate operated safely and did not pose a risk to people or the environment. All safety and control areas were deemed satisfactory.

Facility Map

Cigar Lake Key Lake McArthur River McClean Lake Rabbit Lake



Compliance

4	10	0
Compliance Inspections	Notices of Non-Compliance	Placeholder AMPs

Events

Event Type	# of Incidents
Radiological Action Level Exceedances	6
Reportable Releases to the Environment	6
Environmental Action Level Exceedances	5
Lost-Time Injuries	5
Total	**22**

Safety and Control Area Rating

SCA Area	Description
01. Management System	Satisfactory
02. Human Performance Management	Satisfactory
03. Operating Performance	Satisfactory
04. Safety Analysis	Satisfactory
05. Physical Design	Satisfactory
06. Fitness for Service	Satisfactory
07. Radiation Protection	Satisfactory
08. Conventional Health and Safety	Satisfactory
09. Environmental Protection	Satisfactory
10. Emergency Management and Fire Protection	Satisfactory
11. Waste Management	Satisfactory
12. Security	Satisfactory
13. Safeguards and Non-Proliferation	Satisfactory
14. Packaging and Transport	Satisfactory

Licence Information

Licensee	Licence Number	Licence Effective	Licence Expiration	Sum of Financial Guarantee
Cameco Corporation	UML-MILL-KEY.00/2043	November 1, 2023	October 31, 2043	$222,500,000
Cameco Corporation	UML-MINE-CIGAR.00/2031	July 1, 2017	June 30, 2031	$61,791,233
Cameco Corporation	UML-MINE-McARTHUR.01/2043	November 1, 2023	October 31, 2043	$42,100,000
Cameco Corporation	UML-MINEMILL-RABBIT.00/2038	November 1, 2023	October 31, 2038	$202,700,000
Orano Canada Inc.	UML-MINEMILL-McCLEAN.02/2027	July 1, 2017	June 20, 2027	$102,098,000
Total				**$631,189,233**

DRAFT

Open Government Portal

- **Description:** Existing Government of Canada web portal that allows posting raw data in a machine-readable format.
- **Current state:** Aiming to leverage the portal to publish oversight and performance datasets that have previously been available in the RORs
- **Next steps:** Defining which datasets will be posted to the portal for the 2025 reporting period

nuclearsafety.gc.ca

- **Description:** Existing website that can house general information, as well outline key updates
- **Current state:** Intending to leverage the website to house general information currently outlined in the RORs, like descriptions of licensed facilities and activities.
  - Exploring use of the website as a channel or host for other parts of this model
- **Next steps:** Defining content to be added where appropriate

Accountability structure

- **Description:** To ensure **interest holders'** questions on **licensee performance/CNSC's oversight** of that performance can be directed through a suitable mechanism
  - Aims to provide a simple, structured guide for users on where to bring questions or comments
  - Leverages existing channels to help interest holders know where to go, with what information
  - Enables CNSC staff to respond to the questions in an effective manner
- **Current state:** In the early stages of development
- **Next steps:** Continuing to flesh out the structure to ensure it serves the needs of interest holders

Engagement approach

- **Description:** Given these changes, CNSC staff will meet with **Indigenous Nations and communities** as part of our commitment to **engagement** and seek input on options for future reporting
- **Current status:** Working to ensure alignment with other changes
- **Next steps:** Develop and seek feedback on a meaningful and effective approach to ensure suitable engagement with Indigenous Nations and communities

Considerations

Key considerations moving forward:

- Reviewing past Commission decisions and direction related to regulatory reporting
- The importance of preserving relationships
  - There is a need to manage this change with interest holders to ensure they are brought along and understand the transition
- Maintain transparency and efficiency
  - The goal is to share information within the capacity of CNSC staff
- The increasing expectations on licensees to be transparent
- Accessibility of the model to all interest holders
  - Ensure information is provided in a manner that users can access

Next steps

CNSC staff will be undertaking several steps towards the implementation of this approach including:

- Posting dashboard prototypes with 2025 data (target: Fall 2026)
- Uploading datasets onto Open Government (target: Fall 2026)
- Updating the CNSC website with key information aligned to this project (target: Fall 2026)
- Confirming the accountability structure
- Refining engagement approach while gathering feedback from Indigenous Nations, Communities, organizations and governments

Conclusion

- There is an opportunity to strengthen the effectiveness of RORs by modernizing how regulatory information is communicated
- CNSC will be bold and innovative in advancing this change
- As the approach is experimental, CNSC staff will continuously be looking for feedback on the model's products
- Must meet objectives and adhere to the guiding principles of transparency/accessibility and meaningful dialogue

Thank you

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