



Canadian Nuclear  
Safety Commission

Commission canadienne  
de sûreté nucléaire

# IRRS Mission to Canada 2011

## Opening Message

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Presentation to the IRRS Review Team: Entrance Meeting  
Ottawa, Ontario  
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**65<sup>TH</sup> ANNIVERSARY**  
**65<sup>E</sup> ANNIVERSAIRE**

# Canadian Nuclear Safety Commission

Established May 2000, under the  
***Nuclear Safety and Control Act***

Replaced the AECB of the 1946  
***Atomic Energy Control Act***

***Canada's Independent  
Nuclear Regulator  
65 Years of Experience***



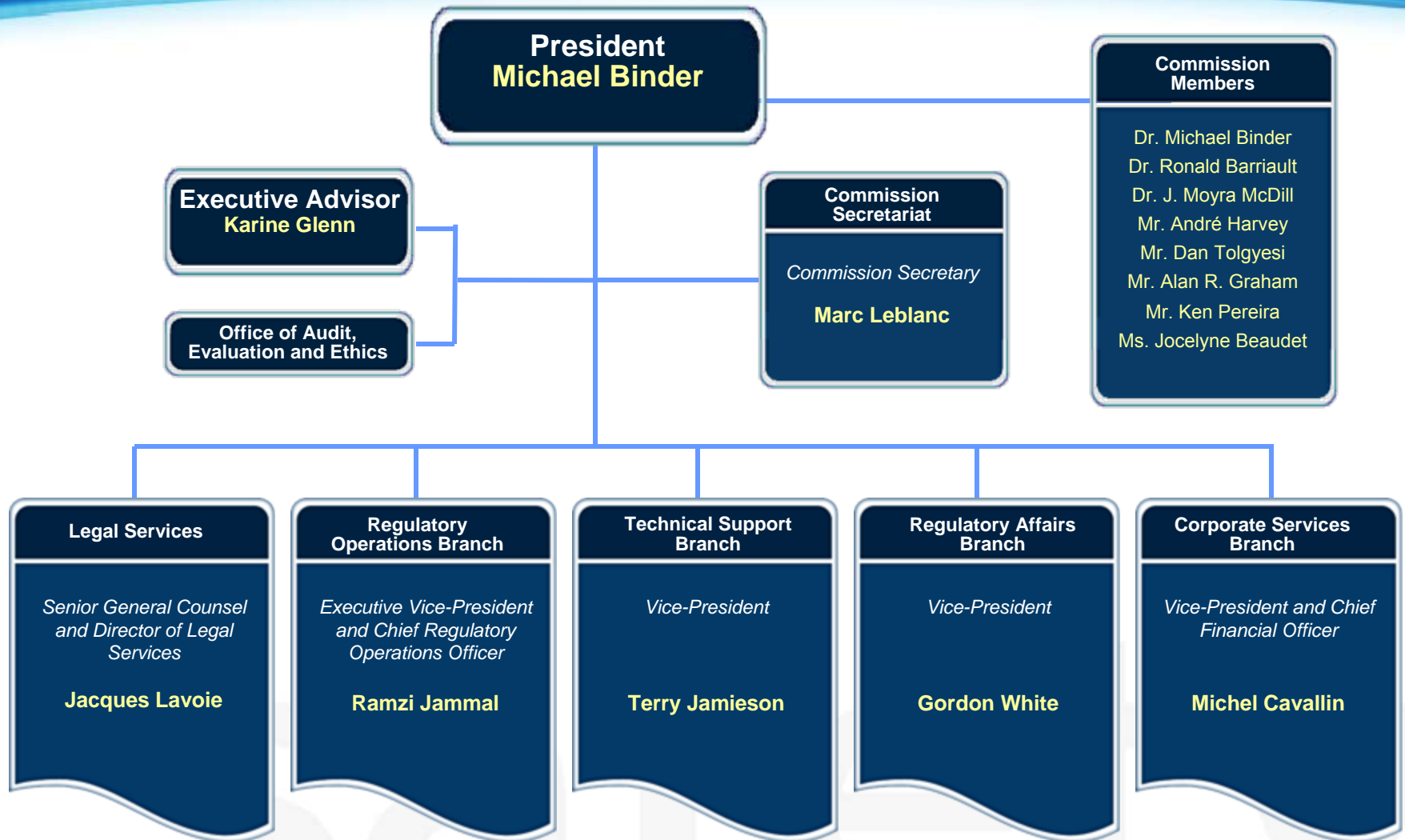
# Our Mission is Clear

Protect the **health, safety** and **security** of persons and the **environment**; and implement Canada's **international commitments** on the peaceful use of nuclear energy

***Canada's Nuclear Watchdog***



# Executive Structure



# IRRS 2009 Findings

- ✿ Canada has an independent, mature and well-established nuclear regulatory framework
- ✿ The CNSC does an effective job in protecting the health, safety and security of Canadians and the environment
- ✿ Valuable gains to both parties involved
- ✿ IRRS 2009 report highlighted:
  - 19 Good Practices
  - 14 Recommendations
  - 18 Suggestions

***Independent, mature, well-established  
nuclear regulatory framework***

# 2011 IRRS Follow-up Mission

- ✿ 28 November to 8 December 2011
- ✿ Expanded scope of the international review to encompass:
  - transportation – CNSC *Packaging and Transportation of Nuclear Substances Regulations*
  - Fukushima lessons learned and to review CNSC Task Force Report
- ✿ IRRS Follow-Up Review Team comprised of 16 international experts
  - Verifying the closure of the 2009 suggestions and recommendations
  - Assessing CNSC's response to Fukushima and regulatory oversight of the transport of nuclear substances against IAEA standards and international best practices.

***Expansion of scope to include transport and Fukushima response***

# CNSC – Status of Recommendations and Suggestions

- ✿ Good practices are acknowledged and continue to be used
- ✿ Recommendations and suggestions have been addressed and completed
- ✿ Implementation of improvements has become an integral part of the CNSC Harmonized Plan

***All 32 recommendations and suggestions  
have been completed***

# CNSC - Transport Assessment

## 🍁 IAEA Safety Standards

- In preparation for the follow up mission the CNSC conducted a self assessment against IAEA safety standards and TSR1 questionnaires
- Including certification of packaging and special arrangement

## 🍁 Findings

- Radioactive material is safely transported in Canada in approved packaging or under special arrangements
- Mature authorization and compliance processes in place
  - Processes meet IAEA Safety Standards and International best practices



Special arrangements are items that do not fit in a pre-approved package  
Example – Steam Generators as in the picture

# CNSC - Fukushima Assessment

- ❖ Based CNSC self assessment on IAEA Safety Standards
  - Including assessment of CNSC Task Force in evaluating licensee response to CNSC's 12(2) request
- ❖ Commission Public Meeting in February 2012

Safety case for Canadian reactors is valid

Open and transparent process for public input into Fukushima response



# Conclusion

- ✿ All suggestions and recommendations completed
- ✿ Self assessments against transport and Fukushima modules – completed
- ✿ CNSC is ready and willing to work with the International team of experts for a successful follow up mission

***We Will Never  
Compromise Safety...***



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