



Canadian Nuclear  
Safety Commission

Commission canadienne  
de sûreté nucléaire

Canada

# Canadian Update

*Presentation to the International  
Nuclear Regulators' Association*



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Canadian Nuclear Safety Commission

September 23, 2014 - Vienna, Austria

[nuclearsafety.gc.ca](http://nuclearsafety.gc.ca)

# CNSC – What's New

## Gentilly 2

- Safe storage – 2015

## Bruce

- Licence renewal hearings – February and April 2015

## Pickering

- Licence to operate – 2018
- Shut down – 2020

## Darlington

- Licence renewal hearings – Summer and Fall 2015
- Refurbishment hearings – delayed to 2015
- Court appeals – environmental assessments and licences

## National emergency exercise

- May 2014 (IAEA & USNRC observed)
- Lessons learned – potassium iodide distribution



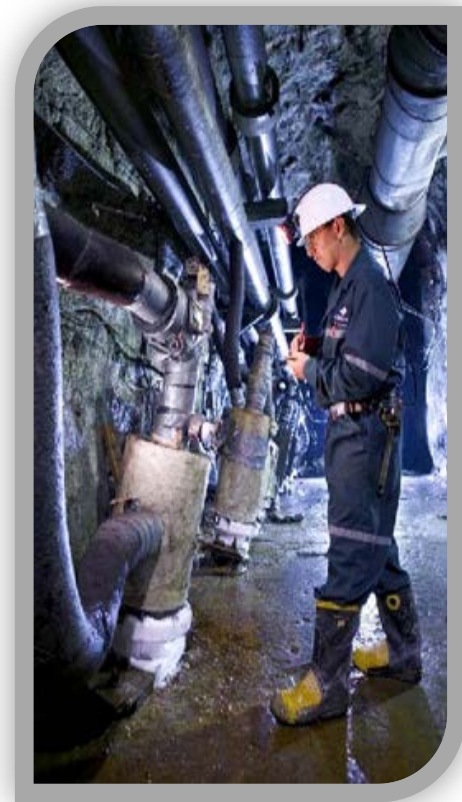
# CNSC – What's New (cont'd)

## Uranium mining

- ▶ Bureau d'audiences publiques sur l'environnement (BAPE)
  - Quebec review of uranium mining moratorium

## AECL Chalk River

- ▶ NRU – shutdown of isotope production – scheduled for 2016
- ▶ Transition to a GO-CO
- ▶ Transportation of highly enriched uranium



# CNSC – What's New (cont'd)

## Long-term waste management

- ▶ Ongoing remediation
  - Port Hope Area Initiative – Port Hope and Port Granby – \$1.2 billion
    - Completion – 2021
  - Gunnar – environmental assessment decision – November 2014
- ▶ Deep Geologic Repository
  - Public Hearings — September and October 2013
  - 25 days of hearings / over 200 interventions / 20,000 pages
  - Additional hearings – September 2014
  - WIPP – not helpful
- ▶ Management of spent fuel
  - Nuclear Waste Management Organization
  - Adaptive Phased Management – 2035
  - 14 communities on shortlist – 1 from Saskatchewan, 13 from Ontario



*Waste is becoming a more important issue*

# International Activities

- ▶ Pacific Basin Nuclear Conference – August 2014
  - Hosted by Canada – over 20 countries attended
- ▶ International Conference – China – October 2014
  - Challenges Faced by Technical and Scientific Support Organizations
  - CNSC Vice-President Terry Jamieson – Conference President
- ▶ CNSC / NEA hosting Probabilistic Safety Assessment conference – Ottawa, Canada – November 2014
- ▶ Diplomatic Conference – Vienna, Austria – February 2015
  - Canada supports intent of Swiss Confederation proposal to amend Article 18 of Convention on Nuclear Safety
    - Prefers to have clarifying text for existing plants
- ▶ IAEA Fukushima Report
  - Anticipated for Board of Governors and General Conference – September 2015
- ▶ Canada to lead IRRS to India – 2016



***Ensuring peaceful and safe use of nuclear***

# Ongoing in 2014

- ▶ *Nuclear Liability and Compensation Act* – new legislation
  - Currently before Parliament
  - Raise operator liability from \$75 million to \$1 billion
  - If passed – 2015 implementation
- ▶ International Physical Protection Advisory Service (IPPAS) mission – by end 2015
- ▶ IAEA Operational Safety Review Team (OSART) – CNSC to request mission for Bruce A nuclear power plant – 2015
- ▶ Aboriginal consultation – forthcoming regulatory document
- ▶ Public hearings – code of conduct



**Thank you for your  
attention**

**Questions?**

