



Canadian Nuclear  
Safety Commission

Commission canadienne  
de sûreté nucléaire

Canada

# An Overview of the Canadian Nuclear Safety Commission



**Peter Elder, Vice-President and Chief Science Officer**  
**Technical Support Branch**

Federal Provincial and Territorial Radiation Protection  
Committee (FPTRPC) Meeting

Ottawa, ON

October 24, 2017

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



**CANADA 150**

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# Canadian Nuclear Safety Commission



- Established in 2000 under the *Nuclear Safety and Control Act* (NSCA)
- Reports to Parliament through the Minister of Natural Resources
- Created to replace the Atomic Energy Control Board (founded in 1946)





# What the CNSC Regulates



Uranium mining



Transport

Dosimetry Services



Nuclear research



Uranium fuel processing



Nuclear power



Waste management



Medical uses



Nuclear substance processing



# The Commission



**Dr. Michael Binder**  
President and Chief  
Executive Officer, CNSC  
(Term expires May 8,  
2018)



**Mr. Rob Seeley**  
President of E3Merge  
Consulting  
Fernie, British Columbia



**Dr. Sandor Demeter**  
Nuclear Medicine Section  
Head, Health Sciences  
Centre (Winnipeg Regional  
Health Authority)  
Winnipeg, Manitoba



**Dr. Alexander (Sandy) McEwan**  
Chair, Department of Oncology,  
University of Alberta  
Edmonton, Alberta

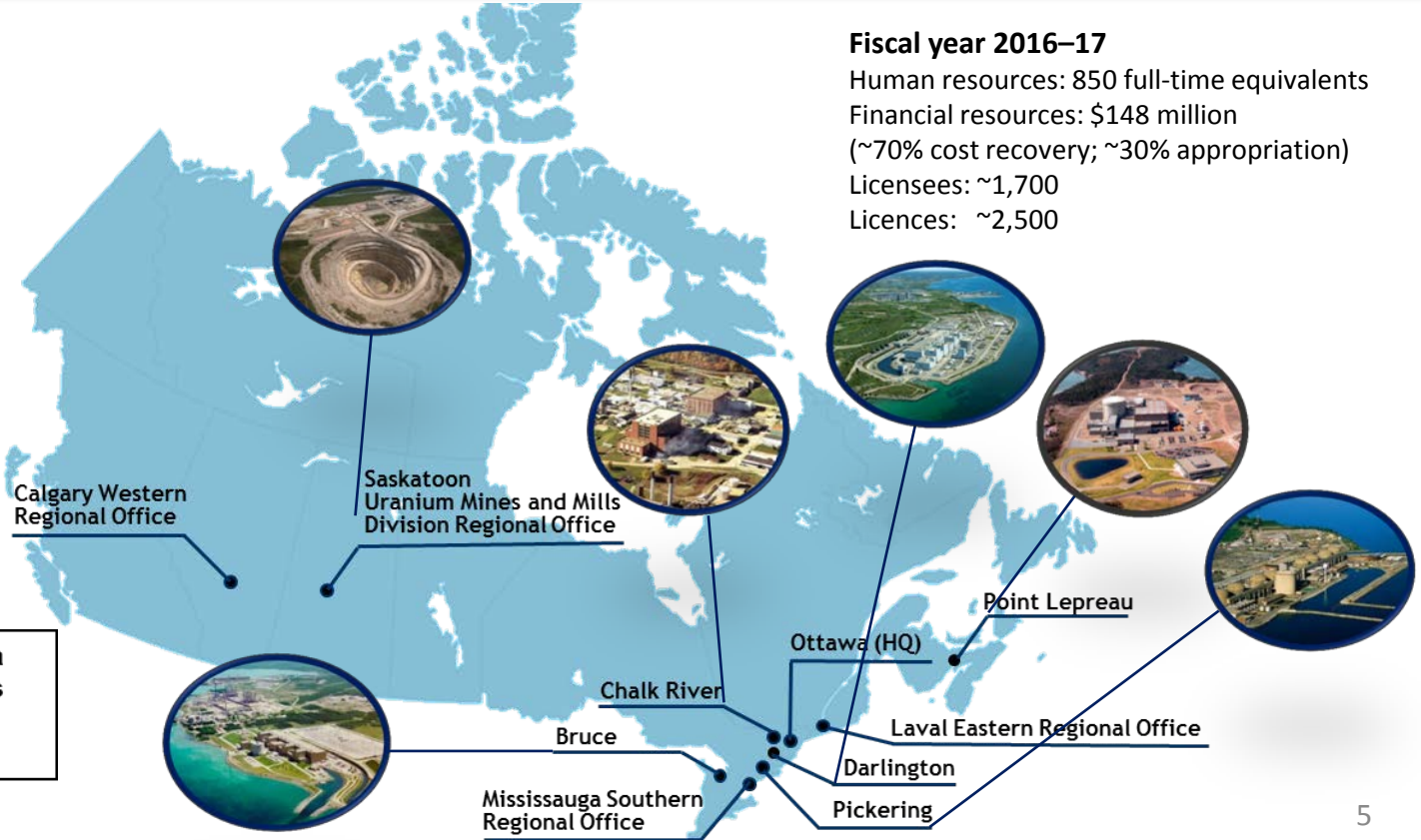


**Dr. Soliman A. Soliman**  
Former Senior Technical  
Expert , AMEC Foster  
Wheeler  
Mississauga, Ontario



# CNSC Staff

**Headquarters (HQ) in Ottawa**  
4 site offices at power plants  
1 site office at Chalk River  
4 regional offices



## Fiscal year 2016–17

Human resources: 850 full-time equivalents

Financial resources: \$148 million

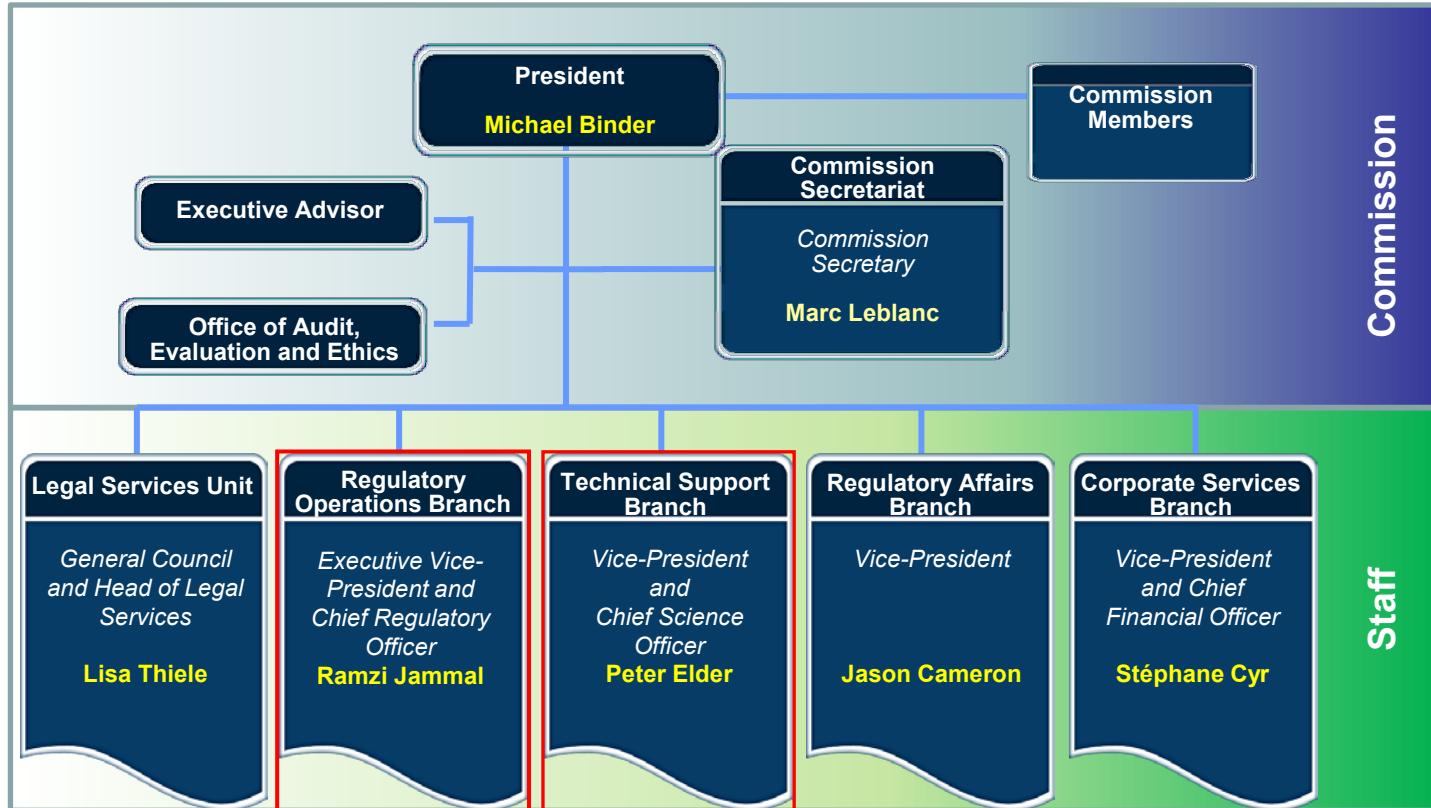
(~70% cost recovery; ~30% appropriation)

Licenses: ~1,700

Licences: ~2,500

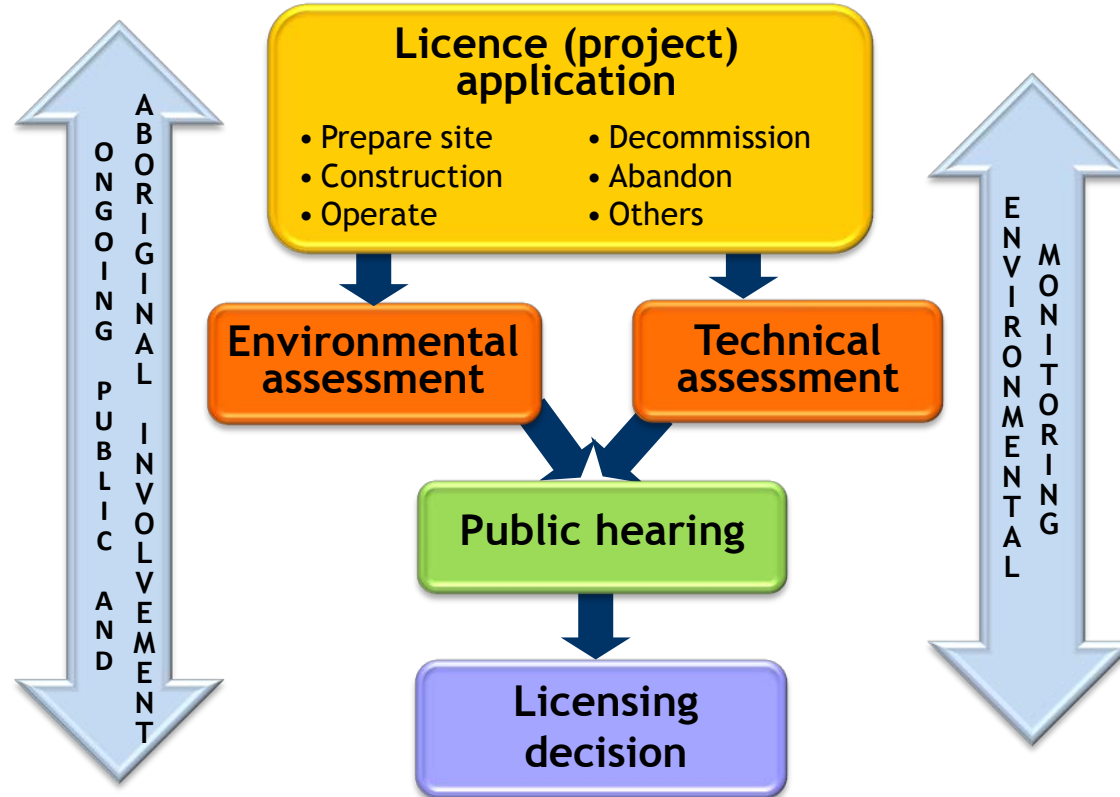


# Organizational Structure



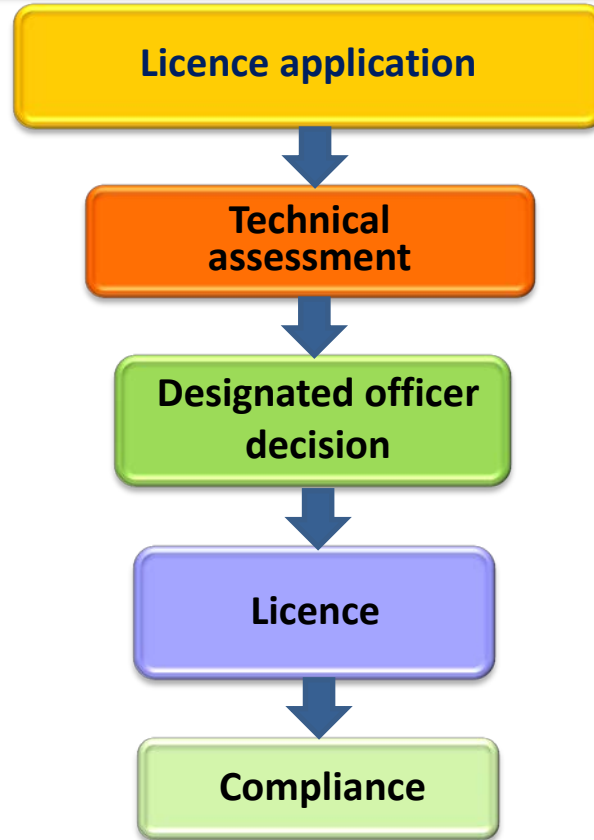


# CNSC Licensing Process (1)





# CNSC Licensing Process (2)







# Stakeholder Engagement

- Stakeholders have the opportunity to participate in the CNSC's regulatory decision-making process
- CNSC established a Participant Funding Program (PFP)
- PFP assists eligible applicants to meaningfully participate in CNSC regulatory processes for major nuclear facilities including environmental assessments, licensing activities and Commission meetings





# Duty to Consult

- The CNSC is an agent of the Government of Canada
- Consideration of Indigenous or treaty rights
- Commitment to consult with Indigenous groups
- Ongoing consultation during lifecycle of project





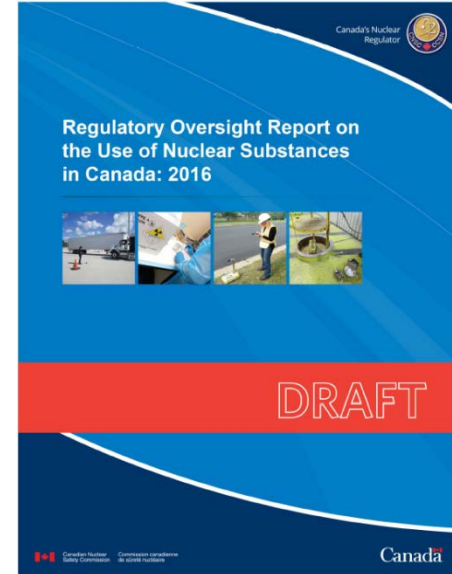
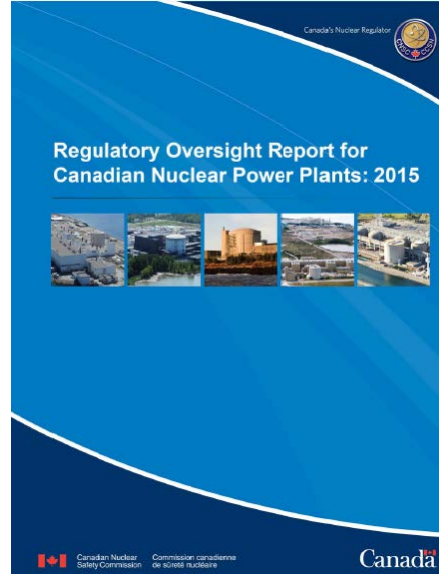
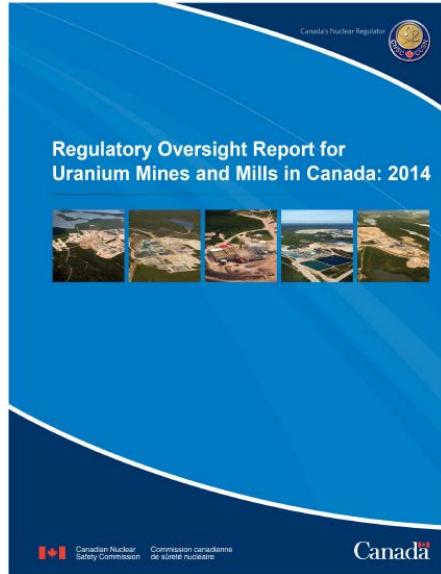
# Graduated Enforcement

- Informing licensee/discussion
- Increased regulatory scrutiny
- Written notices
- Formal requests under subsection 12(2) of the *General Nuclear Safety and Control Regulations*
- Administrative monetary penalties (AMPs)
- Orders
- Licensing actions
- Decertification
- Prosecution





# Regulatory Oversight Reporting





# Domestic Cooperation

- The CNSC cooperates with other government departments to facilitate the discharge of related responsibilities





# Update on CNSC Activities (1)

- Bruce Power – Bruce A and Bruce B nuclear generating stations licence renewal
  - Part 1, March 2018 in Ottawa
  - Part 2, May 2018 in the community
- Ontario Power Generation – Pickering Nuclear Generating Station licence renewal
  - Part 1, April 2018 in Ottawa
  - Part 2, June 2018 in the community





# Update on CNSC Activities (2)

- Canadian Nuclear Laboratories (CNL) licence renewal
  - Pembroke, Ontario
  - January 24–25, 2018







# Update on CNSC Activities (3)

- Canadian Nuclear Laboratories (CNL) projects
  - Near Surface Disposal Facility
  - decommissioning Nuclear Power Demonstration
  - decommissioning Whiteshell Reactor 1







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# Questions?

## Thank You!

Canada 

# Participate and Contribute!



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