

The Canadian Nuclear Safety Commission

- Established May 2000, under the *Nuclear Safety and Control Act* (NSCA)
- Replaced the Atomic Energy Control Board (AECB), established in 1946, under the *Atomic Energy Control Act*
- Exclusive jurisdiction over all nuclear-related matters in Canada



Mission

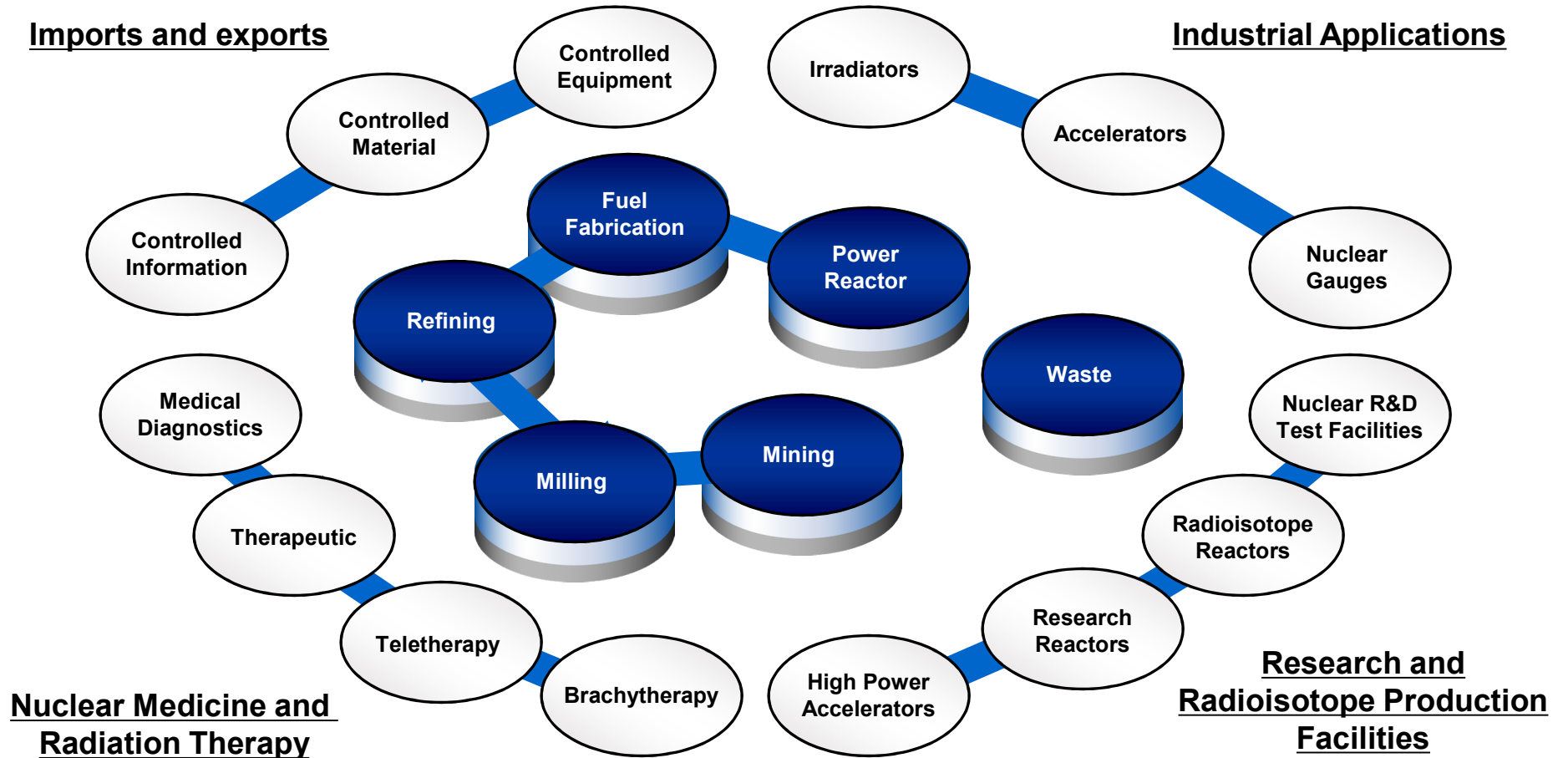
The CNSC's mission is to regulate the use of nuclear energy and materials so that the health, safety and security of Canadians and the environment are protected, and to implement Canada's international commitments on the peaceful use of nuclear energy.

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Regulatory Fundamentals

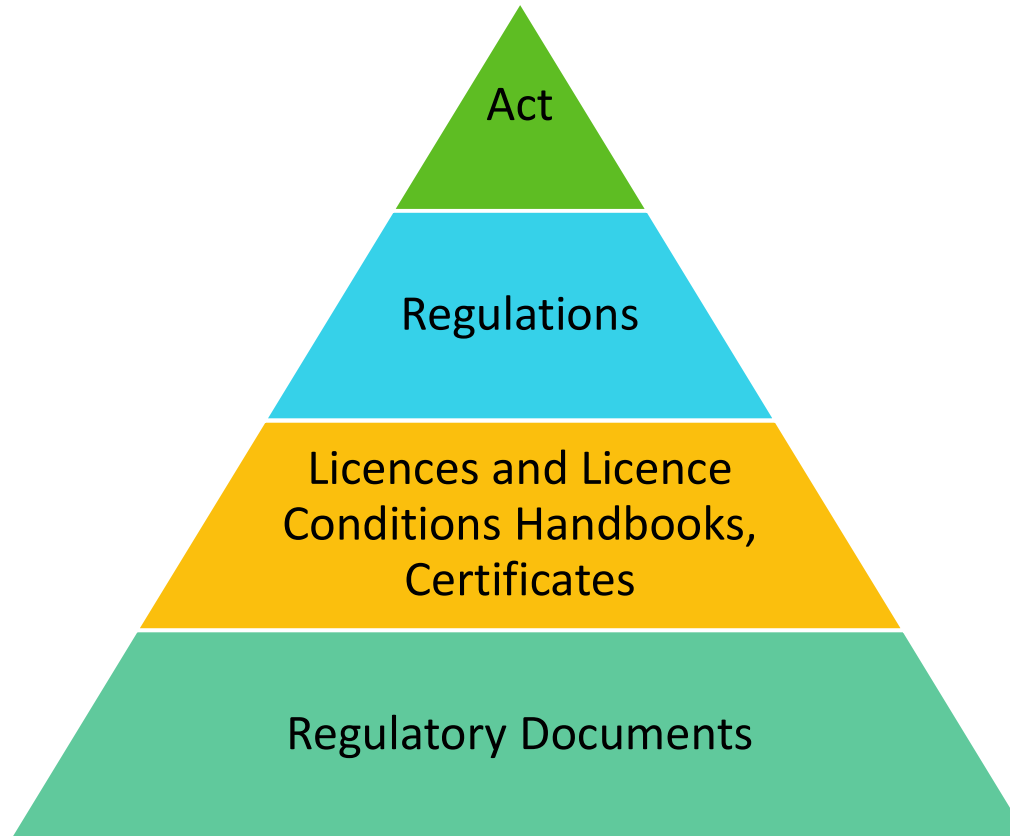
- **What are the licensees' responsibilities?**
 - Persons and organizations that are licensed by the CNSC are responsible for managing regulated activities in a manner that protects health, safety, security and the environment, while respecting Canada's international obligations
- **What are the CNSC's responsibilities?**
 - The CNSC is responsible to Canadians, through Parliament, to fulfill its mandate. The CNSC:
 - sets requirements and verifies compliance
 - bases regulatory action on the level of risk
 - makes independent, objective and risk-informed decisions

Regulated Activities



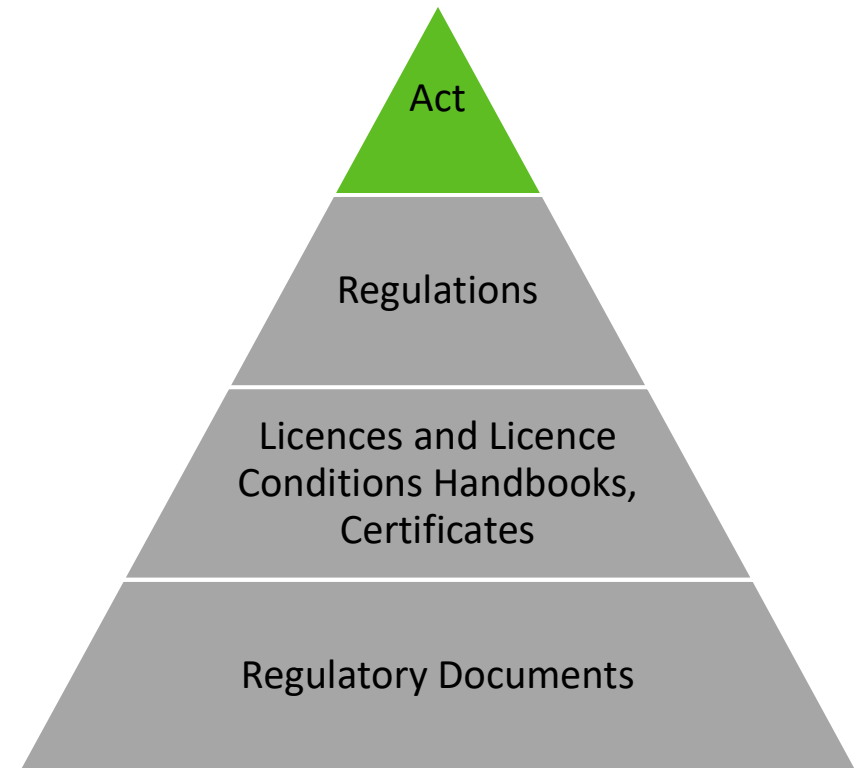
...From cradle to grave

Overview of the CNSC's Regulatory Framework



Overview of the *Nuclear Safety and Control Act*

- *Nuclear Safety and Control Act* and associated regulations in force since 2000
- Established the legal framework that established the Commission, its authority and responsibilities, and allows the CNSC to make regulations
- Established power to licence, to inspect, and enforcement of regulations

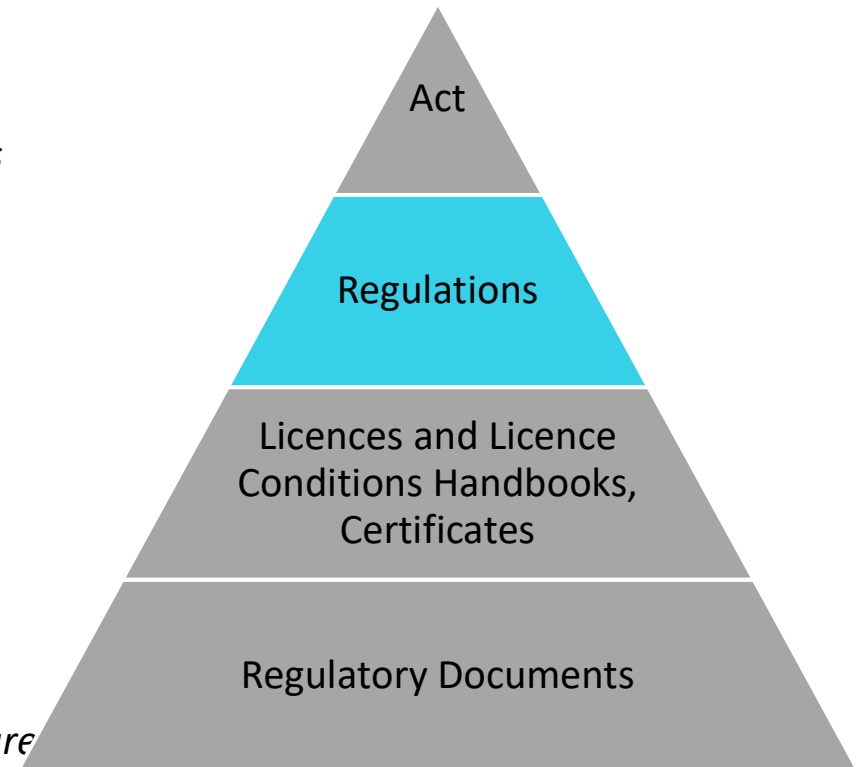


Nuclear Safety and Control Act Regulations

- *Class I Nuclear Facilities Regulations*
- *Class II Nuclear Facilities and Prescribed Equipment Regulations*
- *Uranium Mines and Mills Regulations*
- *Nuclear Substances and Radiation Devices Regulations*

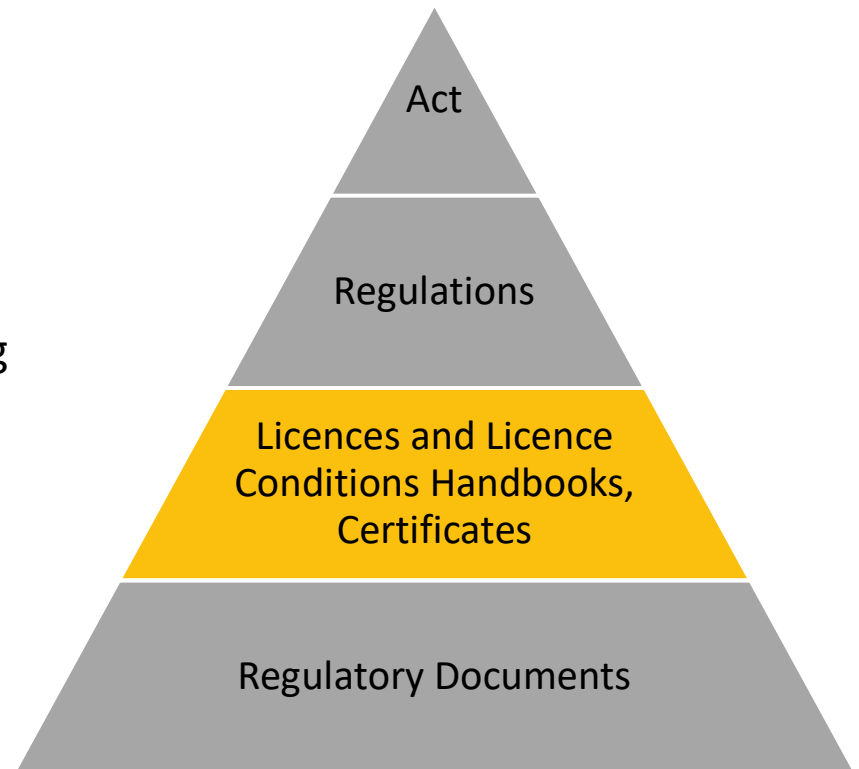
- *General Nuclear Safety and Control Regulations*
- *Radiation Protection Regulations*
- *Nuclear Security Regulations*
- *Packaging and Transport of Nuclear Substances Regulations*
- *Nuclear Non-Proliferation Import and Export Control Regulations*

- *CNSC Cost-Recovery Fees Regulations*
- *Canadian Nuclear Safety Commission Rules of Procedure*
- *Canadian Nuclear Safety Commission By-laws*
- *Administrative Monetary Penalties*



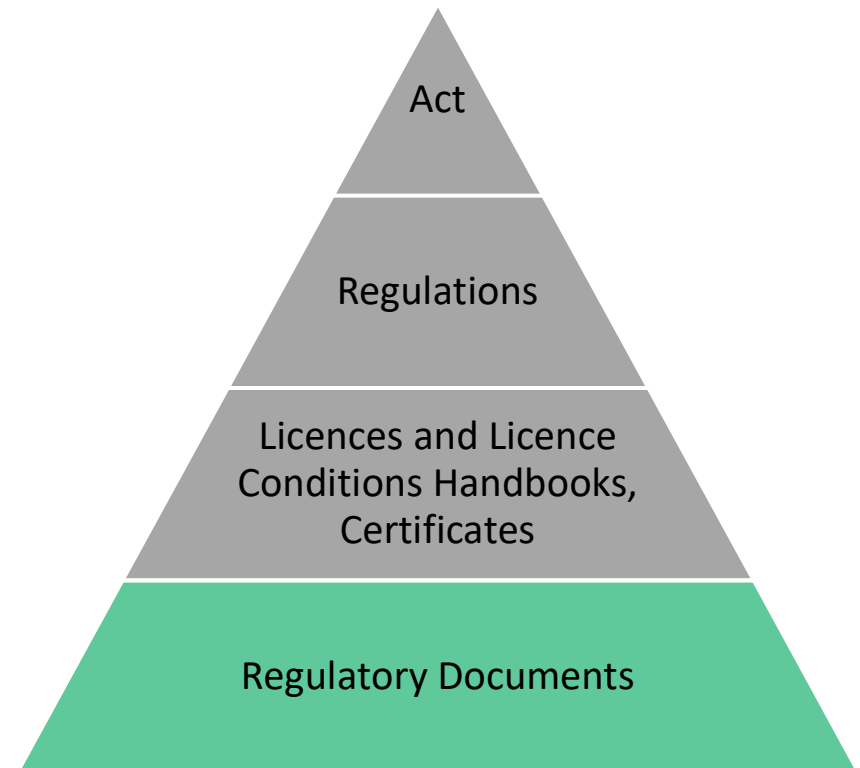
Licences and Certificates

- Licences
 - CNSC assesses applications for licences, and issues a licence if the applicant is deemed to be capable to operate safely
 - Once issued, the company or corporation (could also be a person) becomes a CNSC licensee
- Licence conditions
 - Licensees are required to comply with all applicable regulatory requirements, including Licence Conditions
 - Licence condition handbooks
 - Provide further explanation of licence conditions
- Certificates
 - The CNSC issues certificates indicating that a nuclear device or person working in the nuclear sector or a transportation package meets specific requirements



Regulatory Documents

- Clarify requirements
- Provide guidance on how to comply with requirements
- Are developed through consultation



Regulatory Document Series

1.0 Regulated facilities and activities

- 1.1 Reactor facilities
- 1.2 Class IB facilities
- 1.3 Uranium mines and mills
- 1.4 Class II facilities
- 1.5 Certification of prescribed equipment
- 1.6 Nuclear substances and radiation devices

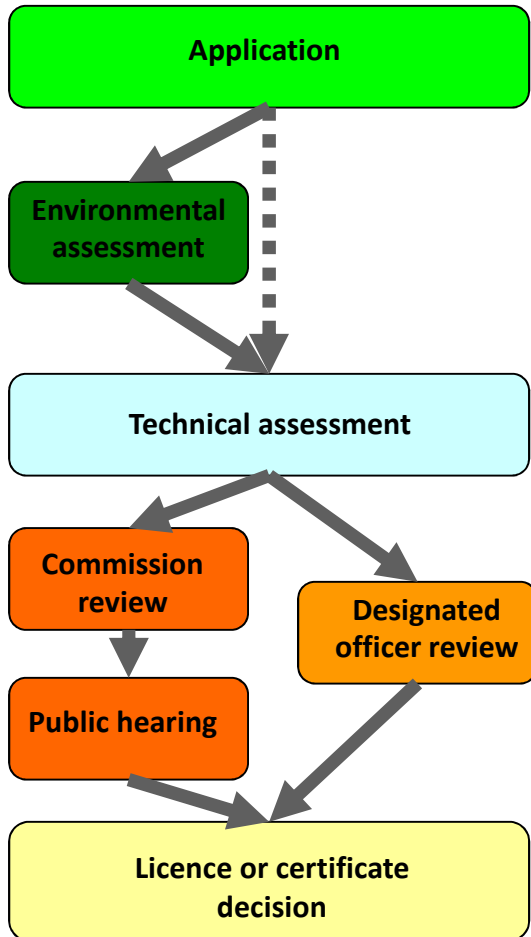
2.0 Safety and control areas

- 2.1 Management system
- 2.2 Human performance management
- 2.3 Operating performance
- 2.4 Safety analysis
- 2.5 Physical design
- 2.6 Fitness for service
- 2.7 Radiation protection
- 2.8 Conventional health and safety
- 2.9 Environmental protection
- 2.10 Emergency management and fire protection
- 2.11 Waste management
- 2.12 Security
- 2.13 Safeguards and non-proliferation
- 2.14 Packaging and transport

3.0 Other regulatory areas

- 3.1 Reporting requirements
- 3.2 Public and Aboriginal engagement
- 3.3 Financial guarantees
- 3.4 Commission proceedings
- 3.5 Information dissemination

Licensing



Safety and control areas

- Management system
- Human performance management
- Operating performance
- Safety analysis
- Physical design
- Fitness for service
- Radiation protection

Other areas

- Financial guarantees
- Consultations and communications



Compliance

Report



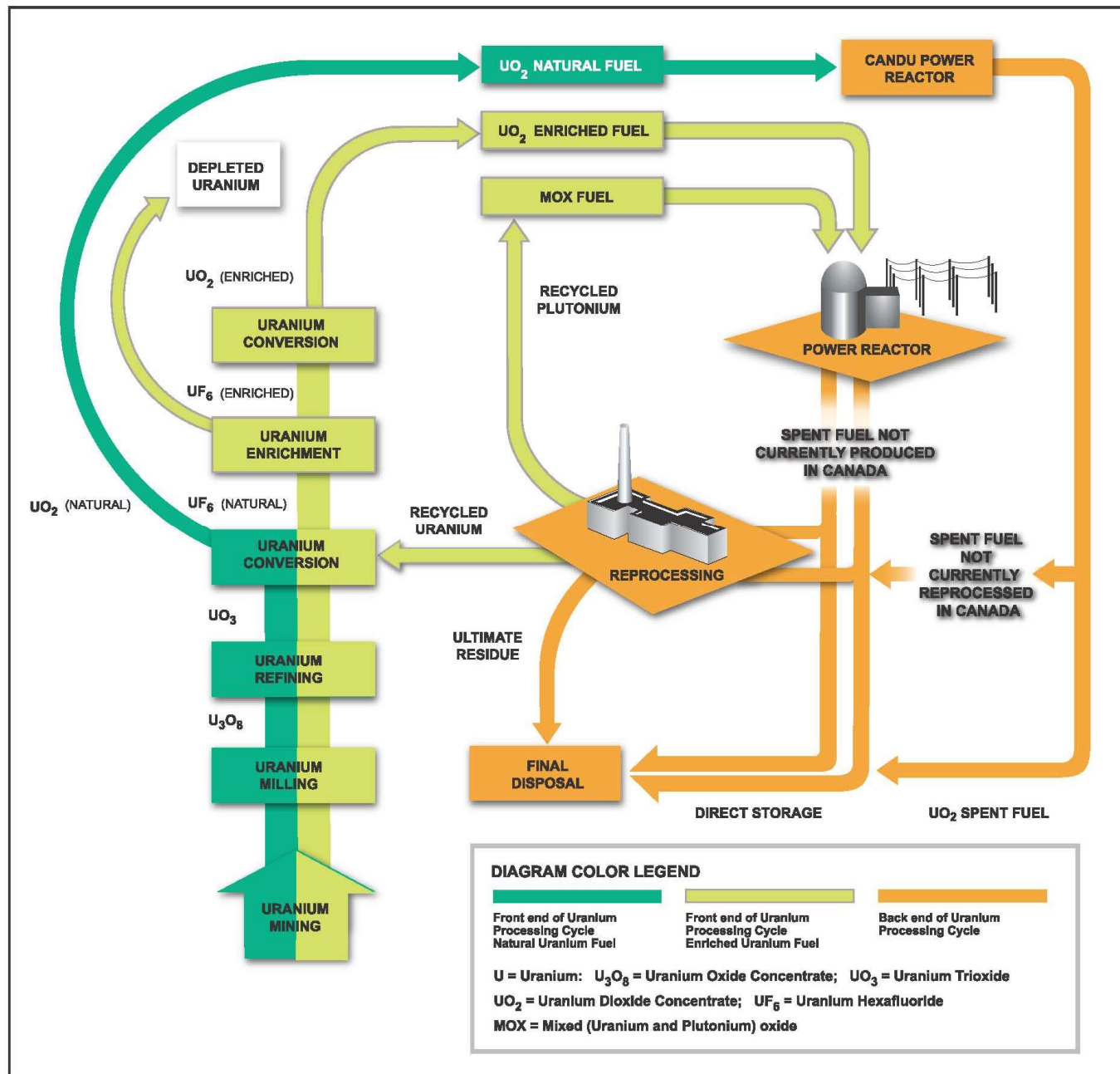
Verify



Enforce



NUCLEAR FUEL CYCLE



Canadian Nuclear Fuel Cycle

