



Canadian Nuclear  
Safety Commission

Commission canadienne  
de sûreté nucléaire

# *Regulating Uranium Mines and Mills in Canada*



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



# *Our Mission Is Clear*

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

*Canada's Nuclear Watchdog*



# *Independent Commission*

- Quasi-judicial administrative tribunal
- Commission members are independent
- Commission Hearings are public and Webcast
- Supported by staff, technical experts and legal services



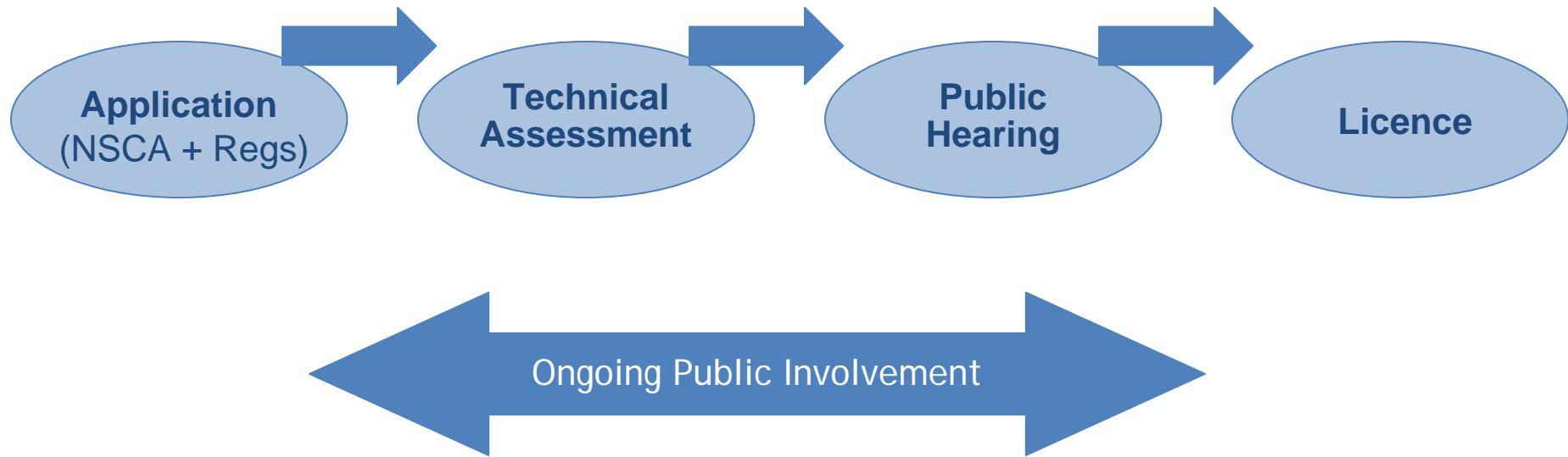
## *Transparent Decision-Making*

# Agencies working together

- There is a joint regulatory approach to uranium mining:
  - CNSC as the principal federal regulator works with other federal regulators
  - CNSC will work with other regulatory bodies in Nunavut in areas such environmental protection and worker safety (e.g. Nunavut Water Board)



# *CNSC licensing process*



# *Protect the workers*

- Control of radioactive materials
- Control of workers radiation doses
- Measurement of radiation
- Conventional health and safety



# *Protect the environment*

## Control releases

- to the air
- to surface water
- to ground water

## Measure

- releases
- effects

Take action, when required



# *Protect the public*

- Measure radiation in the environment
- Estimate potential dose to the public





# *Uranium mining and health*

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- Human exposure to radon and radiation from modern uranium mining is low and does not increase the risk of cancer
- Studies have shown that workers and the general public living near mines are as healthy as the general Canadian population
- Strong regulatory requirements ensure continued mitigation and effective management



# *International Commitments*

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- Uranium used for peaceful purposes
- Bilateral agreements
- Strict export controls
- Verification of inventories
- IAEA Safeguard Inspections



**We Will Not Compromise Safety**

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