



Canadian Nuclear
Safety Commission

Commission canadienne
de sûreté nucléaire



Decommissioning a Post-nuclear Accident in Canada

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Canadian Nuclear Safety Commission



Regulates the use of nuclear energy and materials to protect the health, safety and security of Canadians and the environment; and to implement Canada's international commitments on the peaceful use of nuclear energy.

*Canada's independent nuclear regulator
67 years of experience*

Decommissioning a Post-nuclear Accident



- In Canada - no major nuclear accident to date.
- CNSC regulatory framework provides mechanisms to respond to a damaged nuclear facility.
- CNSC – oversees decommissioning activities, coordinates with other government departments in Canada.

Decommissioning a Post-nuclear Accident



- Remediation of large radioactive contaminated areas - balance radiological risk and social and economic disruption.
- CNSC recognizes the need to have an emergency plan for a major nuclear accident.

Decommissioning a Post-nuclear Accident



Challenges include determining:

- clean-up criteria
- priority clean-up areas
- areas that require decontamination
- detailed recommendations to reduce exposure to radiation
- responsibilities of jurisdictions

Decommissioning a Post-nuclear Accident



CNSC is :

- collaborating with multiple levels of government in Canada
- reviewing criteria used by other countries, and international benchmarks by the ICRP, the WHO, and the IAEA - BSS

Conclusions



Activities following a major nuclear accident shall provide for:

- protection of health and safety of workers and public
- protection of the environment
- compliance with regulatory requirements
- keeping radiation exposures as low as reasonably achievable
- management of all radioactive and hazardous materials generated
- security
- safeguards



Thank you!

Do you have any questions?

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