

# **National Framework for Decommissioning and Environmental Remediation following Nuclear Accident**

*VIJAYAN PALOOR*

*ATOMIC ENERGY REGULATORY BOARD  
MUMBAI, INDIA*

## Regulatory framework

- **Atomic Energy Act-1962** provides legal and regulatory framework for atomic energy programme and use of ionising radiation in India.
- Under section 30 of the Act-1962 the following rules were made;
  - ❖ **Atomic Energy (Radiation Protection) Rules -2004.**
  - ❖ **Atomic Energy (Safe Disposal of Radioactive Wastes) Rules, 1987.**

## **Radiation Protection Rules-2004**

- **Stipulate the role and responsibilities of the employer / licensee.**
- **Provision for decommissioning.**
- **Decommissioning plan with due cognizance of disposal of radioactive wastes, recycling of materials and reuse of equipment and premises.**

## **Radioactive Waste Disposal-Rules -1987**

- **Stipulate the requirements for safe management and disposal of radioactive wastes.**
- **Delineate the role and responsibilities of the licensee for safe management of radioactive wastes.**
- **Provisions for enforcement of remedial measures in the event of accidental release of any radioactive material.**

## Safety Codes

- Radiation Protection for Nuclear Fuel Cycle Facilities, (AERB/NF/SC/RP, 2012).
- Design of Pressurised Heavy Water Reactor based Nuclear Power Plants AERB / NPP-PHWR/SC/D (Rev. 1), 2009.
- Quality Assurance in Nuclear Power Plants AERB/NPP/SC/QA (Rev. 1), 2009.
- Nuclear Power Plant Operation AERB/NPP/SC/O (Rev. 1), 2008.
- Management of Radioactive Waste, AERB/NRF/SC/RW, 2007.

## Conclusion

- The codes and guides developed in India is inline with the IAEA safety requirements and also based on the national and international experience.
- These documents are reviewed periodically and revised if required based on the experience or to meet the current safety requirements.



**Thank you**

**[pvijayan@aerb.gov.in](mailto:pvijayan@aerb.gov.in)**