

Practical Exercise

Technical Meeting

Legal and Regulatory Aspects of Decommissioning

Research Reactor Decommissioning Demonstration Project (R2D2P)

26 - 30 June 2006, Manila, Philippines

International Atomic Energy Agency



Background

- **Objectives**
 - Practical experience on legal and regulatory aspects decommissioning of a real research reactor
 - Analysis of consistency with good practice and safety standards on decommissioning, international legal instruments, etc.
 - Exchange of experience, lessons learned and good practicee
- **Scope**
 - Legal framework and its implementation
 - Regulatory framework and its implementation
 - PRR-1 reseacrh reactor



Country Framework for Decommissioning

- **Legal**
 - Draft law in preparation
 - Regulations planned to be developed
 - National policy and strategy on decommissioning, nuclear fuels and radioactive, waste management to be defined
 - Appropriate financial resources and Government funding mechanisms for the decommissioning to be defined
- **Regulatory**
 - Regulator Body
 - Department of Health (radiation protection)
- **Waste Management**
 - No national disposal facility
 - Planned construction of a storage facility at the reactor site
- **Spent Fuel**
 - All spent fuel shipped to country of origin
 - 115 fuel assemblies stored at the reactor hall

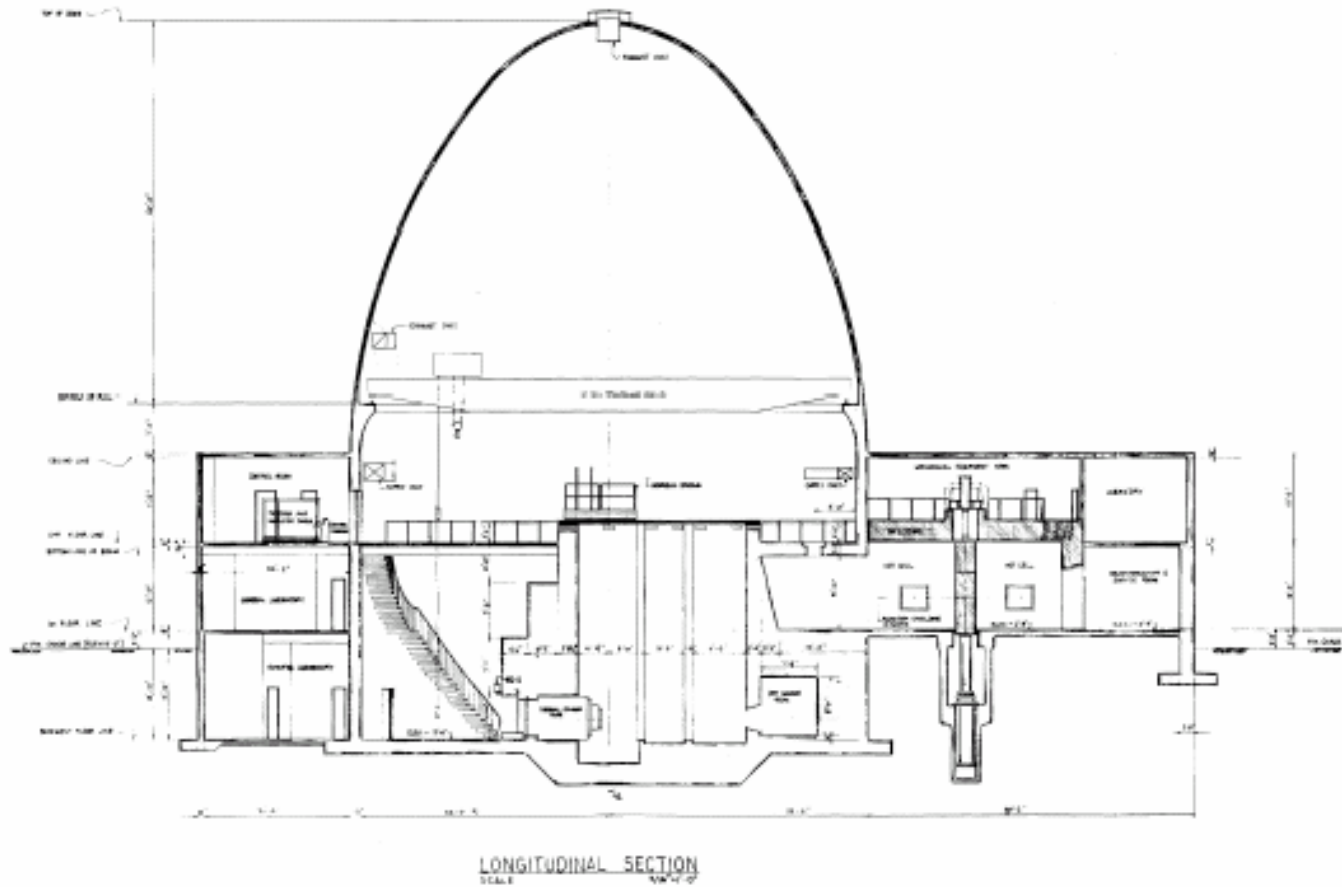


Research Reactor

- **PPR-1 - 1 MW open-pool general-purpose General-Electric research reactor provided by the U.S.A. under the Atoms for Peace program**
- **Start up in 1963**
- **1984-1988 – convert to TRIGA reactor**
- **1992 – corrosion caused leak**
- **1999 – operational license expired and spent fuel shipped**
- **Decision on decommissioning**



Research reactor (cont)



Decommissioning strategy

- **Immediate dismantling**
- **Release from regulatory control**
- **Use of the building for future research activities**
- **Storage of conditioned waste at the site**
- **Use of reactors staff (no staff with experience from the reactor operation)**



Background

- **Approach**
 - **Four working groups:**
 - Legal aspects - Group A**
 - Regulatory aspects – Group B and Group C**
- **Tasks**
- **Present and discuss the approaches, results**



Tasks

- **Group A**
 - **Identify primary legal issues arising from the reactor decommissioning**
 - **Referencing the specific provisions of applicable instruments, guidance documents and any other relevant material.**
 - **Suggest and prioritize possible approaches/steps to resolve those issues**



Tasks

- **Group B and C**
 - **Identify primary regulatory issues (e.g. development and review of a decommissioning plan) arising from the reactor decommissioning efforts**
 - **Referencing the specific provisions of applicable instruments, guidance documents and any other relevant material**
 - **Suggest and prioritize possible approaches/ steps to resolve those issues**



Outcomes

- **Legal/Regulatory Issues**
 - **Solutions**
 - **Prioritization**
 - **References**
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- *Template for all working groups*
 - *Presentation on Friday morning*

