

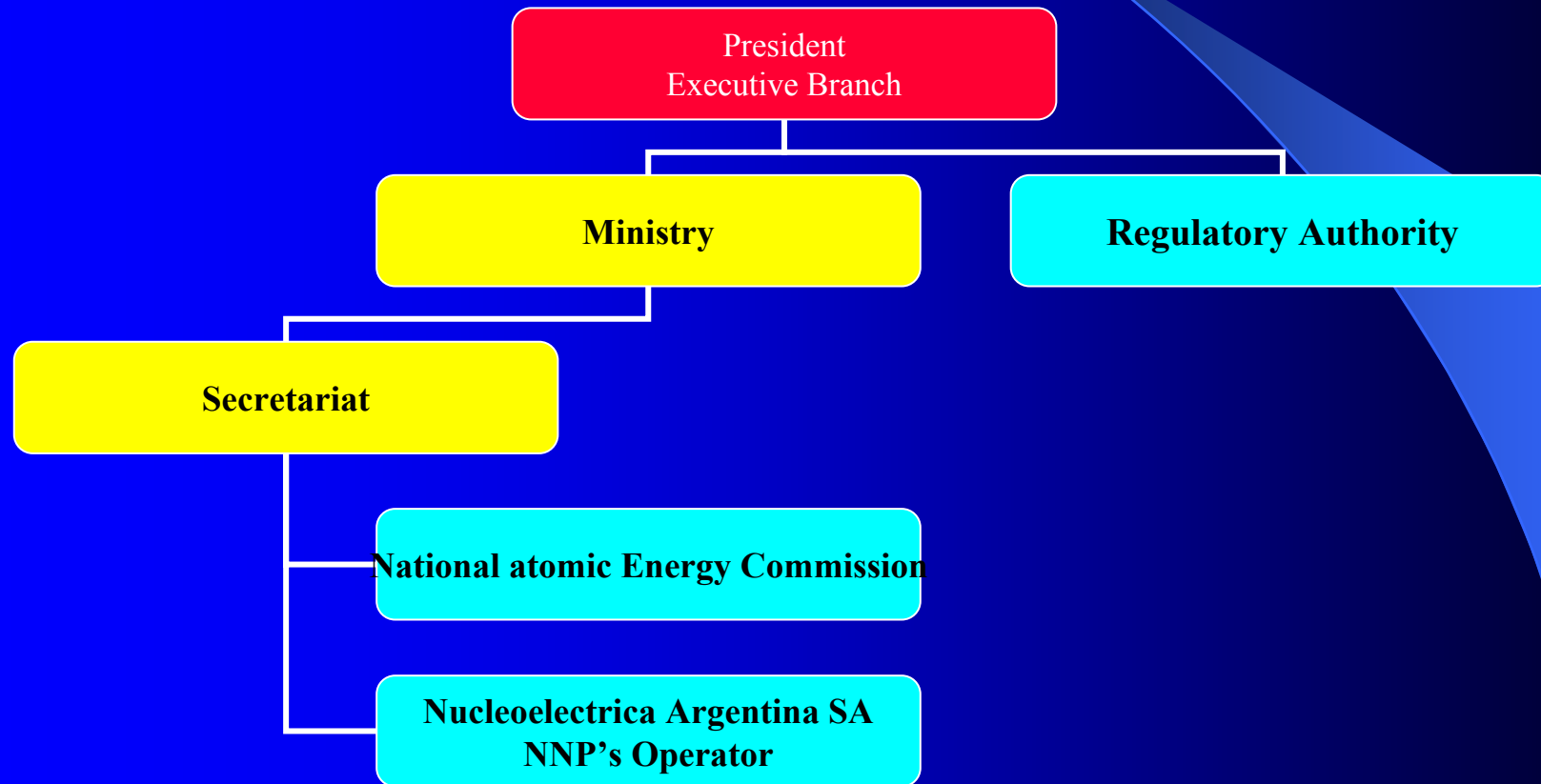
R2D2P Workshop on Transition Phase

Sydney, Australia
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National Atomic Energy Commission

HHHHR R FWX i

Organization Chart



RESEARCH REACTORS AND CRITICAL ASSEMBLIES

UNIT	TYPE	FUNTIONING	LIFE CYCLE PHASE	OPERATOR
RA-0	235U 20%	1970-	OPERATION	CORDOBA UNIVERSITY
RA-1	235 U20%	1958-	OPERATION	CNEA
RA-2	235 U 90%	1966-1983	DISASSEMBLED	-----
RA-3	235 U20%	1967-	OPERATION	CNEA
RA-4	235 U 20%	1971-	OPERATION	ROSARIO UNIVERSITY
RA-6	235 U90%	1982-	OPERATION	CNEA
RA-8	235 U3.4%	1997-	OPERATION	CNEA

RA-1



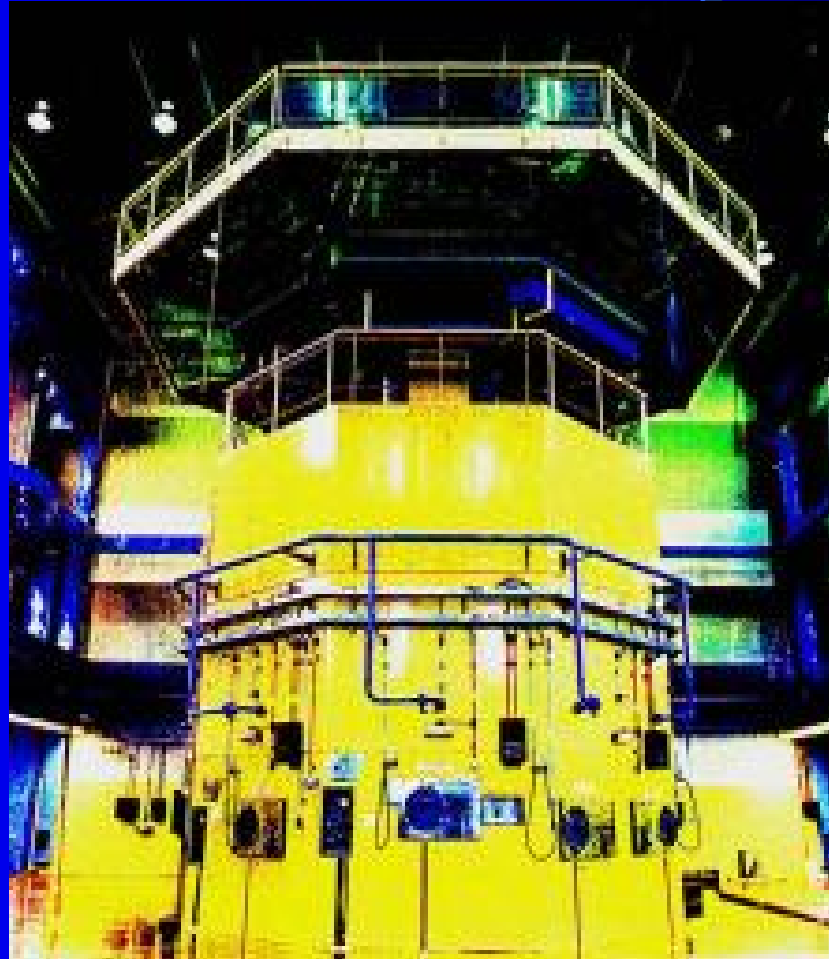
RA-3



RA-6



RA-6

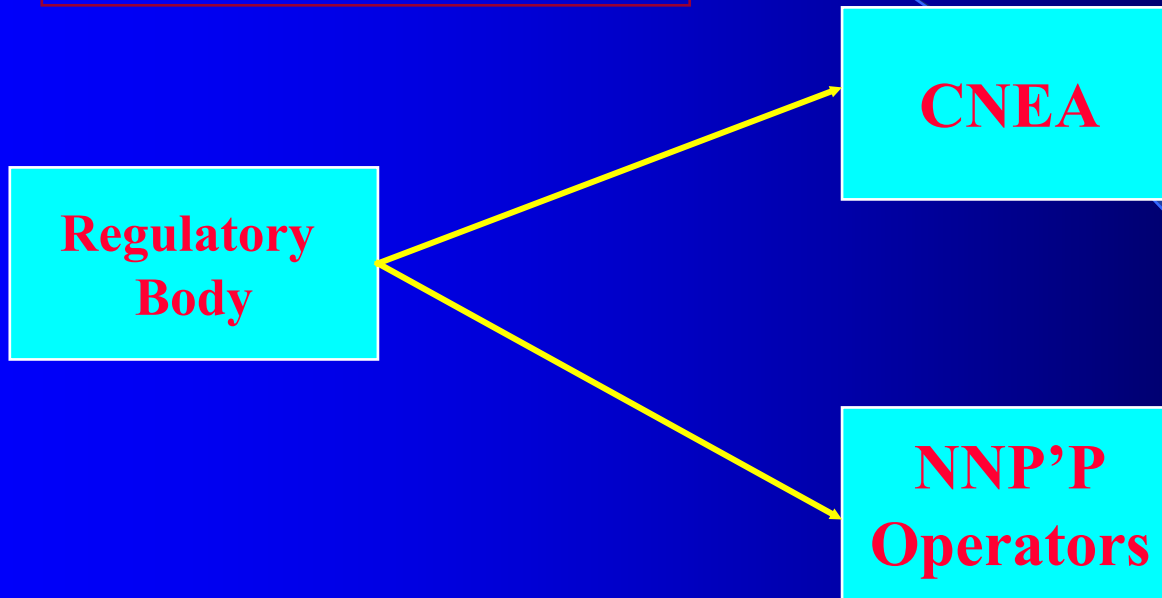


REGULATORY APPROACH ON DECOMMISSIONING OF NUCLEAR INSTALLATIONS

APPLICABLE REGULATIONS TO THE DECOMMISSIONING STAGE:

- **Licencing of Relevant Nuclear Installations**
- **Basic Standard for Radiological Safety**
- **Decommissioning of Nuclear Power Plants**
- **Radioactive Waste Management**
- **Estimation of the radioactive material inventory**
- **Volume, materials (metals, wood, textil, plastic)**
- **Old facilities**

**More Pressure ?
Joint Convention ?**



NATIONAL ASPECTS OF THE D&D ACTIVITIES

According to chapter I, Art. 2.e of the National Law N° 24804 ruling nuclear activities CNEA “ Is responsible for determining the procedure for decommissioning Nuclear Power Plants and any other relevant radioactive facilities.”

The implementation the Nuclear Law, states that CNEA is responsible for decommissioning of all relevant radioactive facilities in the country, at end of life.

Consequently in May 2000 CNEA created a D&D branch within its Unit of Technology.

Real Situation According with this Scenario

Many structural components and old facilities were or must be removed or treated.

The main activities are focused in:

Preliminary planning and radiological characterization for research reactors RA1, RA3 and RA6: A preliminary planning was given to the Regulatory Body during this year.

**Characterize structural components ,valves, flanges, etc.
Evaluate the decontamination and the treatment of the liquids generated.**

The final aim must be: reuse, declassified or waste.

Works in progress:

- **Segregation of waste**
- **Volume Evaluation**
- **Characterization**
- **Decontamination: by using aggressive solutions in ultrasonic bath and/or abrasive treatment.**
- **Evaluation of cutting technics**











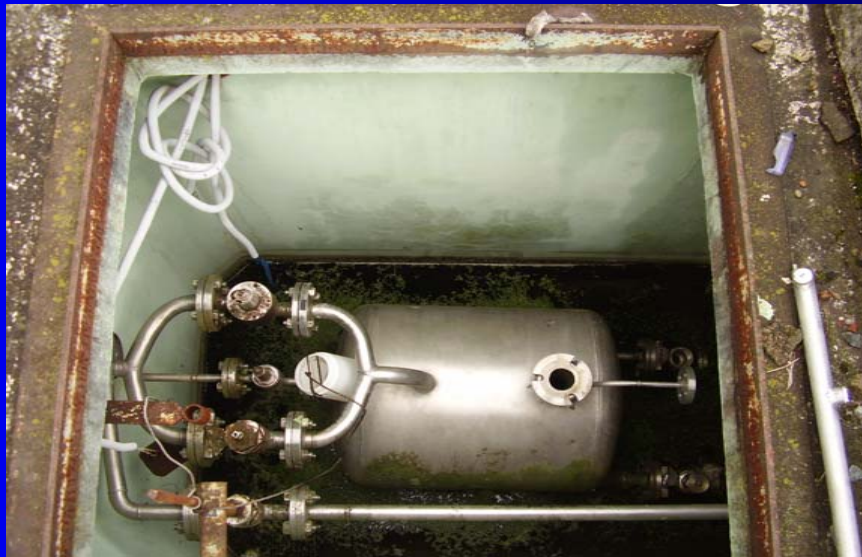












Lesson Learned

Don't wait the end

**THANK YOU FOR YOUR
ATTENTION**