



## **Technical Meeting on the Establishment of a Radioactive Waste Management Organization**

### **Status, responsibilities and missions of ENRESA**

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### LEGAL CONSIDERATIONS IN WASTE MANAGEMENT

- RADIOACTIVE WASTE DEFINITION
- RW MANAGEMENT, INCLUDING SF AND DECOMMISSIONING OF NUCLEAR FACILITIES, IS AN ESSENTIAL PUBLIC SERVICE OF THE STATE
- ENRESA, A STATE OWNED COMPANY, IS ENTRUSTED TO MANAGE THIS PUBLIC SERVICE
- RADIOACTIVE WASTE MANAGEMENT PLAN IS APPROVED BY THE CABINET, WITH PREVIOUS REPORTING FROM THE NUCLEAR SAFETY COUNCIL AND AUTONOMOUS COMMUNITIES BEING HEARD ON SPACE PLANNING AND ENVIRONMENT. THE GOVERNMENT IS TO TRANSFER THE PLAN TO THE NATIONAL PARLIAMENT
- THE STATE WILL TAKE OWNERSHIP OF THE WASTES ONCE DISPOSED OF AND BE RESPONSIBLE FOR LONG TERM VIGILANCE OF THE DISPOSAL SITES.
- ESTABLISHMENT OF A SPECIFIC TAX TO COVER THE COSTS OF THE PUBLIC SERVICE. THE TAX GOES TO THE FUND MANAGED BY ENRESA
- ENRESA REPORTS TO THE MINISTRY OF INDUSTRY TOURISM AND TRADE

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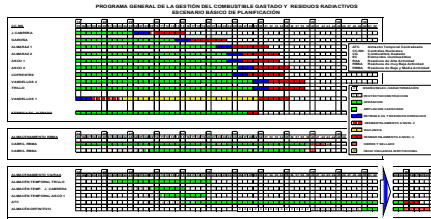
### ENRESA's MISSION

- Treatment and conditioning of Radioactive Waste
- Site selection and the design, construction and operation of centres for the storage and disposal of the radioactive wastes generated in Spain
- Establishment of systems for the collection, transfer and transport of radioactive wastes
- Management of operations arising from the decommissioning of nuclear and radioactive installations
- Conditioning of tailings arising from uranium mining and milling, when required
- Providing support to civil defense services in the event of nuclear emergencies
- To establish R+D Plans.
- To carry out any technical, economic and financial studies necessary to take into account the deferred costs arising out of its duties so as to establish its financial needs.
- To manage the Radioactive Waste Management Fund

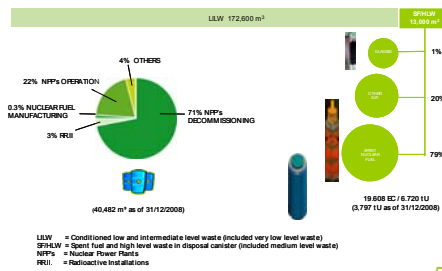
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**GENERAL RADIOACTIVE WASTE MANAGEMENT PLAN**

- Strategic document defining the basis for the RWM programme:
  - Waste situation, arising and future strategy
  - Scenario (Lifetime of NPPs,, economical considerations)
  - Programme of activities (short, medium and long term)
  - Economical calculations
  - International references



- ENRESA required to make a proposal every four years or when required by the MITyC.
- Government approval as appropriate.
- Sixth Plan (June 2006) currently in force. A new one to be presented by June 30th 2010



**LILW**

- OPERATOR RESPONSABILITIES
  - Package type description
  - Conditioning of wastes to meet waste acceptance criteria
- ENRESA RESPONSIBILITIES
  - Setting of acceptance criteria
  - Waste characterisation and acceptance
  - Transport (responsibility change at producers' sites fence)
  - Conditioning of wastes under El Cabril disposal conditions
    - Disposal
- EL CABRIL
  - LILW Disposal: Commissioned in October 1992
  - VLLW Disposal : In operation since October 2008

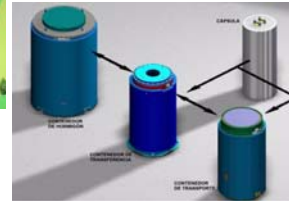


SF management, main achievements

RERACKING AT ALL THE NUCLEAR POWER PLANTS

INTERIM STORAGE FACILITIES IN OPERATION

- TRILLO NPP
- JOSE CABRERA NPP



CENTRALISED STORAGE FACILITY

- Approval of design
- Call for interested municipalities
- Site to be determined

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Decommissioning of Installations

Nuclear Power Plants

Vandellós I

- Dismantling Level 2 finished (1998-2003)
- Dismantling Level 3 after a latency period of 25 years

Other NPP's

- Dismantling Level 3 to be initiated 3 years after shutdown of the reactors.
- Requires communication between utility and ENRESA (definition of predismantling activities, knowledge keeping, etc )
- Shutdown José Cabrera NPP: April 2006. ENRESA becomes the operator in 2010.



Before and after decommissioning Level 2 of Vandellós I NPP

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**CONCLUSIONS**

- ❑ **Organizational framework for spent fuel and radioactive waste management is established**
- ❑ **Waste management, including decommissioning, is an essential Public Service of the State. ENRESA is entrusted to manage it.**
- ❑ **Very large scope of responsibilities, but the company is small in size**
- ❑ **RWMP requires government approval; it is then discussed at Parliament. It includes inventory, strategy, programme of activities and economical calculations**
- ❑ **Adequate financial resources are assured**
- ❑ **LILW management is an industrial activity, as well as decommissioning. Responsibilities of the different actors are well defined**
- ❑ **Developments in temporary storage of SF. Main actual project.**

