

*CNRA Meeting  
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# European Stress Tests

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## Stress Tests Content

**Stress Tests decided by the European Council in March 2011**

**Technical Specifications prepared by ENSREG/WENRA. Closed cooperation between the European regulatory bodies due to previous work in those organizations.**

**Topic to be covered:**

**External hazards: seism, flooding, other external events**

**Loss of safety functions: electrical supply and heat removal**

**Severe accidents (reactor and spent fuel)**

**In addition to EU countries, Switzerland and Ukraine are participating**

## Stress Tests Reports



**Licensee's progress reports presented on August 15.  
Final reports October 31.**

**National reports prepared by the regulatory bodies  
and send to the EU:**

**Progress report on September 15**

**Final report due on December 31**

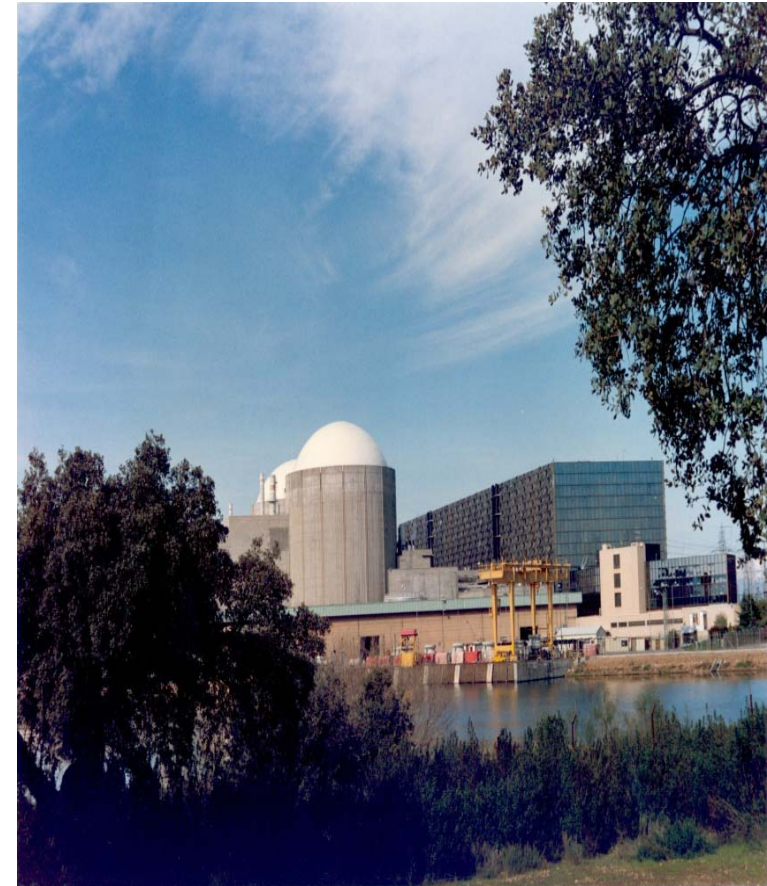
**Strong interaction between the regulators and  
licensees to focus the reassessment to be  
performed in a short period.**

## Stress Tests Results

Different scopes and contents of **progress reports**.  
Internal coordination inside ENSREG/WENRA to  
make sure that all relevant aspects are covered in the  
**final report**.

**Licensee's reports** identify strength and proposals for  
improvements.

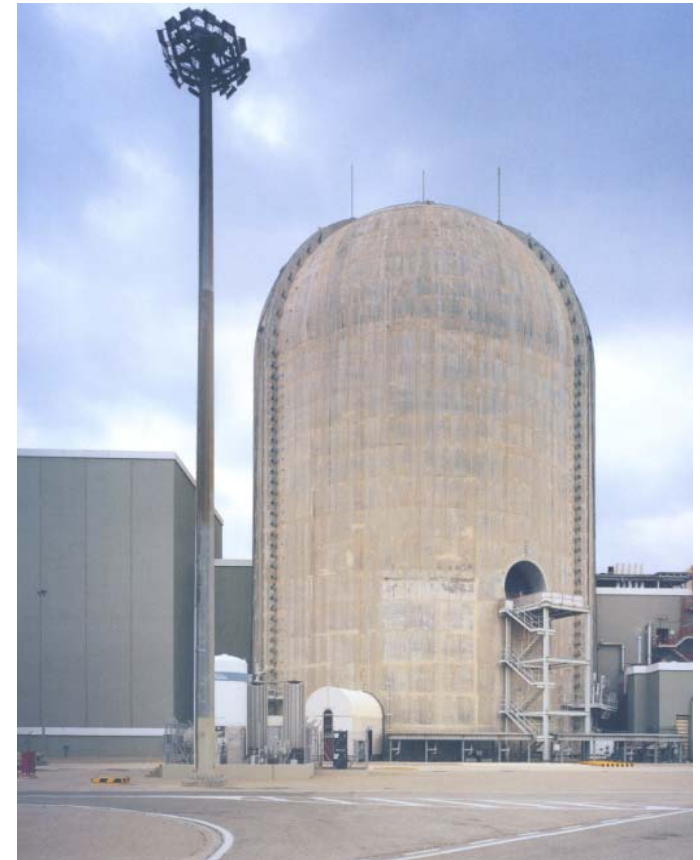
**National regulatory report** could identify additional  
aspect to be analyzed or improvements to be  
implemented.



## Stress Tests Results

### Some example of proposed improvements:

- New building on site for emergency control and management
- Reassessment of human resources for emergency planning
- Centralized organization with human resources and equipments to be on site in less than 24 hours
- Diverse electrical supply to safety equipments with fix or portable devices.
- Increasing plant autonomy
- Filtered containment venting
- Passive H<sub>2</sub> control



## Peer Reviews

### Peer reviews: January-April 2011

- **3 topical review teams to address each topic in all the countries**
- **6 country review team to integrate and discuss the specific country results and on site visit.**
- **Review team members from regulatory bodies or TSO with EU support. Experts from non nuclear countries are also incorporated.**
- **Pilot phase: 7-8 December 2011**
- **Stakeholders and public involvement. Transparency of all process**