

CSN CONSEJO DE SEGURIDAD NUCLEAR www.csn.es March 11th 2014

REGULATORY CHALLENGES IN SPAIN

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1 | CSN - What we do

- 7 REACTORS in operation (5 sites)
- 1 FUEL MANUFACTURING PLANT
- 2 NPP: 1 NPP UNDER DEFERRED DISMANTLING + 1 NPP UNDER DECOMMISSIONING
- 1 NPP HAS CEASED OPERATION
- 1 Low Level WASTE DISPOSAL facility
- 1 High Level Waste CENTRALIZED TEMPORARY STORAGE facility under licensing



Environmental control & monitoring (43 automatic stations)

- 837 Commercial and Industrial Radioactive Installations
- 188 Research and educational RI (Ciemat, ALBA, etc)
- 360 Medicine RI (Ciclotron, PET, Linear acc., etc)
- 33.625 X Rays
- 105.605 Exposed workers



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2 | Spanish CSN

- NPPs require **license renewal** every ten years
- CSN uses the **standards** from the technology country of origin (USA, Germany)
- However we introduce a **conditioned application of new standards**: introduction of new requirements for most relevant issues (exceeding the basic parameters of applicability to the NPP according to its design, type or date of construction). Its application depends on the previous analysis by the licensee and on approval by the CSN.
- **Life extension**: Regulator imposes technical requirements after an Aging Management Review. However the final decision is a political one (co decision)
- **Commission** of 5 members
- **Staff**: 454 People, 66% higher university degree
- CSN Commission adopts around **450 decisions** per year
- More than 2.100 **inspections** per year








