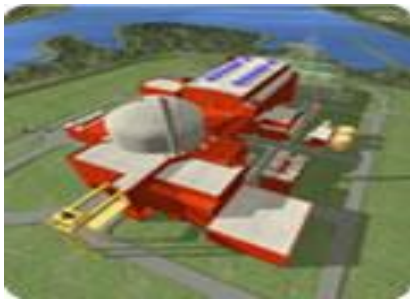


An Update on the UK Generic Design Assessment process for potential New Build EPR and AP1000 Reactors



Kevin Allars

Recent Director for Nuclear New Build,
Office for Nuclear Regulation



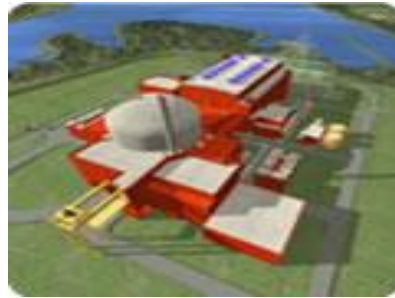
IRPA13

Glasgow

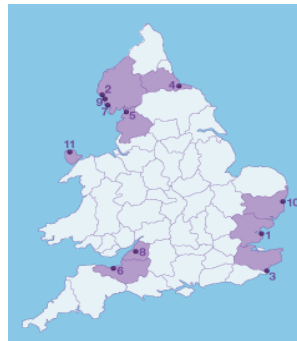
May 2012

Regulating New Nuclear Build – Three Elements

- Design:



- Site:



- Organisation:



Office for Nuclear Regulation

An agency of HSE

GDA's Objectives

- ✓ Engage early – maximising influence
- ✓ Identify and resolve key issues before build – reducing cost and time risks
- ✓ Maximise value of pre-application – simplifying site specific phase & standardising plants
- ✓ Licensing/permitting programme in line with investment decisions – enabling, not blocking
- ✓ Openness, transparency and public input – building public confidence
- ✓ Regulators working together – clarifying expectations (shoulder to shoulder!)



Presumption of Openness

- **As much as possible published**
 - Guidance
 - Ways of Working
 - Decision documents
 - Assessment Reports, GDA Issues and vendor Resolution Plans
 - Quarterly Update Progress Reports
- **Full and frank website with >5000 hits/month**
- **Links to Vendors' and DECC websites**
- **Conference presentations (key ones on website)**
- **Press articles and proactive media discussions**
- **Meetings with NGOs (outcomes on website)**
- **Public comments process**
- **Ebulletin routinely to >3000 people**

GDA Summary of Progress

- Step 1 completed August 2007
- Step 2 completed March 2008
- Step 3 completed Nov 2009
- Step 4 completed during 2011
- GDA Issues published – July 2011
 - 31 on the EPR and 51 on the AP1000
 - Industry knows what it needs to do to complete GDA
- Interim Approvals (iDACs/iSoDAs) – Dec 2011
- Closure of EPR GDA Issues potentially 2013
- Closure of AP1000 GDA Issues on hold

GDA – no mean assessment....

- >350 meetings per reactor in Step 4
- ~ £25m per reactor regulatory charges to interim DAC (~£7m more to close EPR GDA)
- ONR - 35 Inspectors & 20 support staff
- 150 Technical support contracts
- > 47000 days of regulatory effort
- > 7000 documents submitted
- > 3000 formal regulatory questions asked and answered

Regulation and Construction

- We intend to deliver any DACs/SoDAs to the Vendors
- The DAC/SoDAs are not legal instruments
- BUT any DAC & SoDA would underpin the necessary legal regulatory Permissions to construct a fleet of near-identical reactors
- We will not issue a DAC until all GDA Issues are resolved to our satisfaction
- We will not give permission to start key reactor construction until the GDA Issues have been resolved to our satisfaction

As the Nuclear Regulators, we are

- Independent of Government and Industry
- Injecting robust, independent, technical expert scrutiny
- Delivering to declared programmes
- Acting in an Open and Transparent way
- Ensuring people, society and the environment are protected from the hazards of the nuclear industry
- Enabling, BUT it must be safe, secure and environmentally acceptable