



# Magnox

Berkeley Site SSG Update  
*6 April 2011*  
*Sean Sargent, Site Director*

# Safety and Environment Performance

- Excellent safety performance continued
- 73 weeks without a days away case
- 8 first aid events (rolling 12 month)
- Safety Improvement Plan launched on site
- RoSPA Order of Distinction - 2011



# Achievements

- Both reactors into Safestore
- Periodic Safety Review completed
- First MiniStore filled with Intermediate Level Waste from the vaults
- Physical work for the de-designation of Berkeley Centre complete
- Nuclear industry day held with the Prospect TU and other key industry members



# Looking Forward

- Change of Site Director
- Placement of contracts for ILW retrieval from vaults
- Boiler disposal business case



# Fukushima Incident



# What went wrong?

- Fuelled Boiling Water Reactor (BWR) shut down by earthquake resulting in loss of grid supplies
- Tsunami wiped out back up supplies
- Hydrogen vent explosion on reactors 1 and 3
- Further explosion suspected in reactor 4 spent fuel pond
- Suspected partial melt down of fuel
- Some activity discharged into the environment



# Aftermath

- No reported fatalities
- Iodine 131 found in water and some foods
- Berkeley and other Magnox sites have sent health physics equipment to Japan
- NDA co-ordinating support from all Site Licence Companies (SLC's)

# Why it couldn't happen here!

- Earthquake 30,000 time larger than any earthquake recorded in the UK
- All Magnox stations have been assessed against the impact of earthquakes and tsunamis as appropriate
- Magnox reactors are gas cooled and can be cooled by natural circulation after shut down
- All fuel has been removed from Berkeley Site
- Magnox conducting an NII led review of emergency arrangements as necessary

# Spons and Dons

- £2,000 raised for Comic Relief
- £2,800 raised for Midland Air Ambulance (site charity of the year)
- £5,000 issued as part of the *Energy Solutions* sponsorship and donation scheme



  
**ENERGYSOLUTIONS**

# Magnox Socio-economic Development Scheme

- £15,000 donated to Breakheart Community Project
- £24,000 donated to GL11 Project
- 2011-12 scheme to be launched later in the year, information will be posted on the company website



# Questions

