



ENERGYSOLUTIONS

Feasibility for Near Surface Disposal
of Reactor Graphite Wastes

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SD:SPUR Event, 11th May, Birmingham 



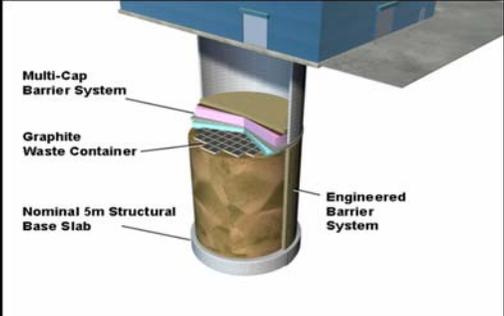
The decommissioning twin reactor Magnox site
at Hunterston, North Ayrshire, Scotland

Why is a solution for graphite so important? 

- UK Inventory of graphite wastes
 - Core graphite
 - Reflector graphite
 - Sleeve graphite
- Current plans for its management
 - Encapsulation & packaging
 - Interim storage
 - Geological disposal
- Why an alternative is being considered
 - Government Policy
 - Sustainability drivers
 - International experience



Concept design – disposal cell 

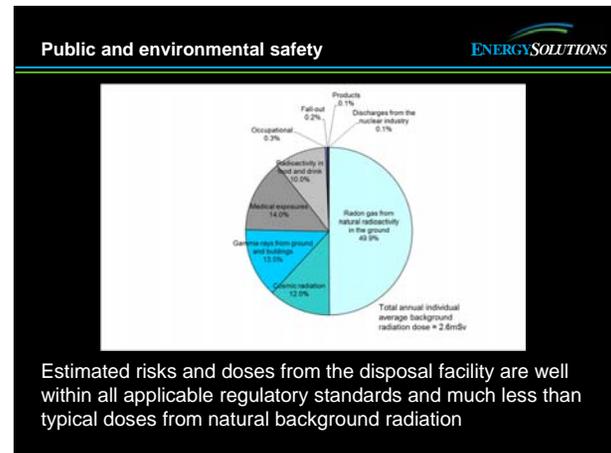
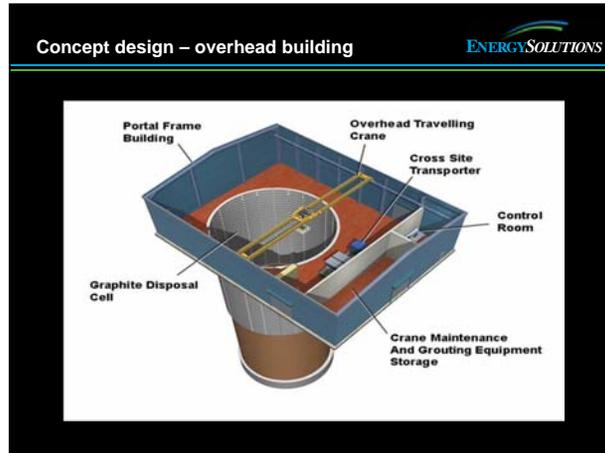


Multi-Cap Barrier System

Graphite Waste Container

Nominal 5m Structural Base Slab

Engineered Barrier System



Public and stakeholder engagement 

- Pro-active outreach programme
- Focus on engaging local people in meaningful dialogue
- 70 stakeholder groups have been engaged to date
- 200 people have attended public site tour and project exhibition
- Largely balanced, supportive press coverage



Conclusion and path forward 

Study outcomes

- Technical feasibility
- Public & stakeholder acceptability

Next steps

- Refine suite of technical documents
- Consider wider application and benefits
- Continued public and stakeholder engagement

Develop business case to support progress of option through NDA's Strategy Management System




Thank you for your attention