



British Nuclear Group

Intelligent nuclear clean-up

Berkeley LTP 2007-08

Presentation to Ham and Stone Parish Council – 27th November 2006

Presented by: Jim Crocker – Site Director

Major Changes From LTP2006/07

- Entry into C&M in 2011 instead of 2013 by not allowing non-critical tasks to drive the schedule
- Resources reduce in line with the work
- Construction of an above ground ILW Store and ILW Buffer Store are key enablers for major hazard reduction on the site
- A 'Bundle' centric model contract has been used instead of the 'Site' centric model used in previous baselines
- The site will be manned through Care & Maintenance phase

Major Plan Assumptions

- Site will enter Care & Maintenance in 2011
- Construction of an above ground ILW Store in place of existing facility on R2
- Provision of an ILW Buffer Store to facilitate continued deplant and decommissioning works in the Shielded Area
- Demolition of buildings on the de-licensed side of the Berkeley Centre site with associated reductions in site staffing and 'hotel' costs
- Major Projects developing closure contracts with associated staffing reductions on completion of each project
- From April 2010, functional activities will transfer to southern SLC (Finance, Commercial, Project Controls etc)

Key Lifetime Assumptions

- The current strategy of final site clearance 85 years subsequent to the cessation of generation remains unchanged.
- No changes to the regulatory environment, legislation or government requirements affecting the site licence, environmental regulations or any other legal requirements.
- The UK ILW and LLW National Repositories will be available when programmed
- Funding will be available to support the schedule

Site Improvement Focus

- Management of all site waste now being co-ordinated and controlled by an Integrated Project Team to ensure ownership through to final disposal and implementation of site IWS
- Knowledge and learning from Hunterston, Trawsfynydd and Hinkley built in to the preparatory works for the new ILW Store
- Major hazard reduction projects (AWVR, CRP and Shielded Area) delivered earlier in plan due to re-sequencing of non-critical activities to run in parallel with critical path works
- Procurement strategies for all site projects



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BNLS – Storage of site ILW

Nothing changed!

- Safe and secure on site storage of encapsulated ILW
- Focused on hazard reduction
- Dedicated building within licensed boundary
- Storage on site until National repository available
- ILW sources (Shielded Area, CRP, AWVR)
- Regulatory controls for building and storage

BNLS – Storage of site ILW

Current Issues

- Technical and operational
- Insufficient capacity
- Below ground storage
- Use of existing not fit for purpose building which is unlikely to achieve Regulator approval
- Entails lengthily process delaying entry in Care and Maintenance
- Alternative building required

BNLS – Storage of site ILW

New Store

- 1 of 3 buildings on site strategy (3 box)
- Building built to modern standards
- Design life 150 years
- Storage for up to 100 years
- Based on Hinkley Point A design
- Design developed progressively from other sites stores
- Timed for waste processing and entry into Care and Maintenance

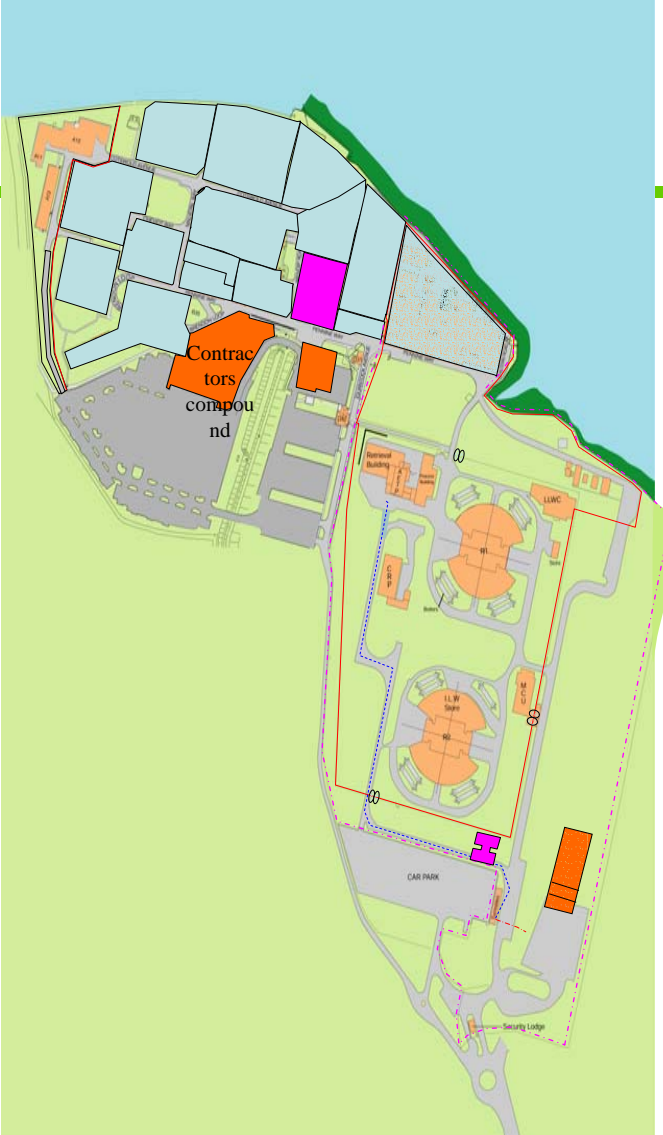
Berkeley ILW

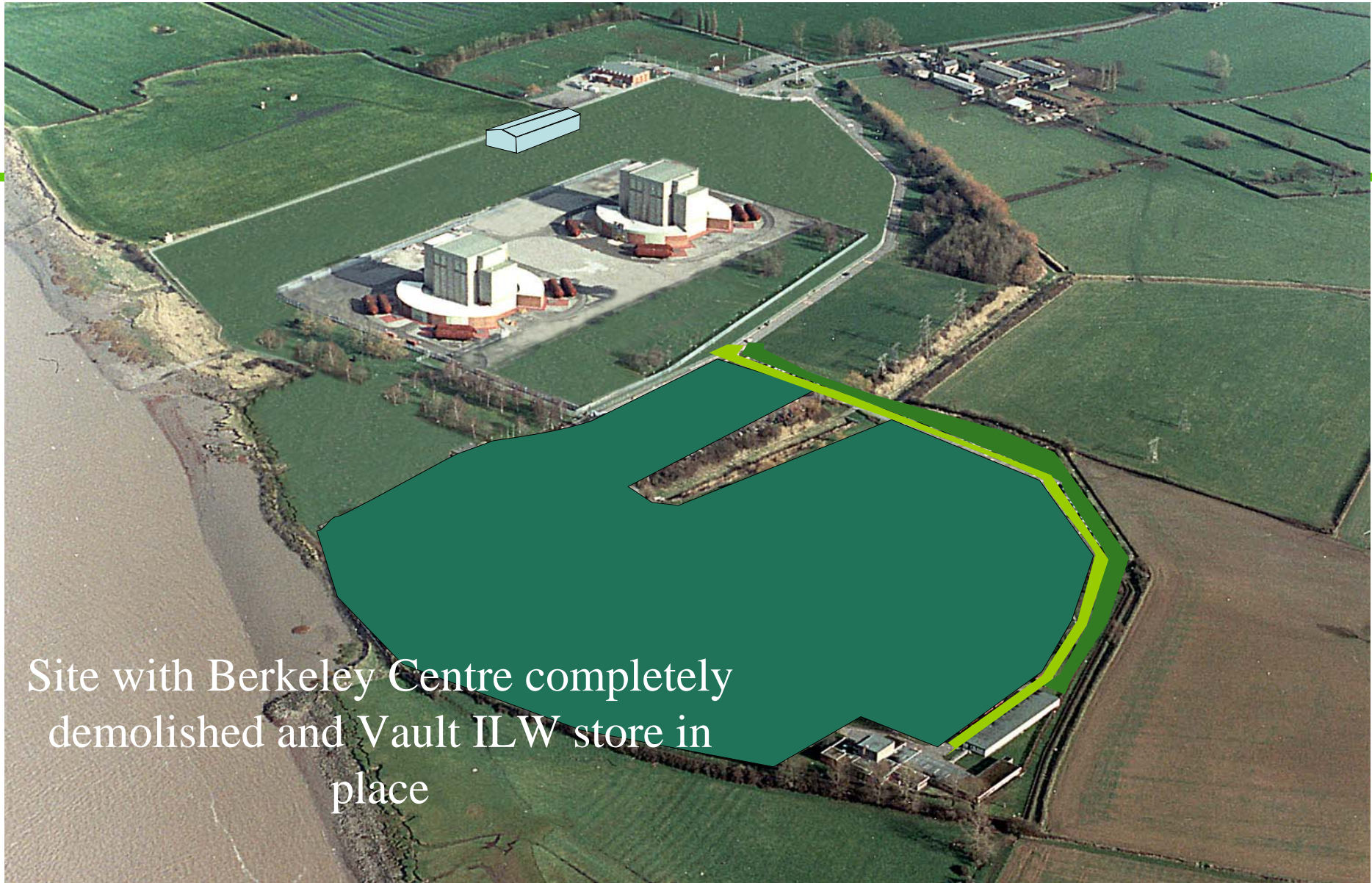
- Feasibility study on site has shown that a new ILW storage facility is needed
- ILW has to be stored on site until a national repository is available
- This requires a robust storage facility build to modern standards

Berkeley ILW

- Number of options have been considered
- NDA has concurred (approved) with BNLS recommendation that a replica Hinkley Point A store should be built to house Berkeley's ILW on site. This is no change to the original plan, Berkeley's ILW waste was always to be stored on the site
- ILW will be passively stored in Nirex approved boxes and storage conditions
- Store will be one of the three main buildings left on site during care and maintenance

Location of ILW store



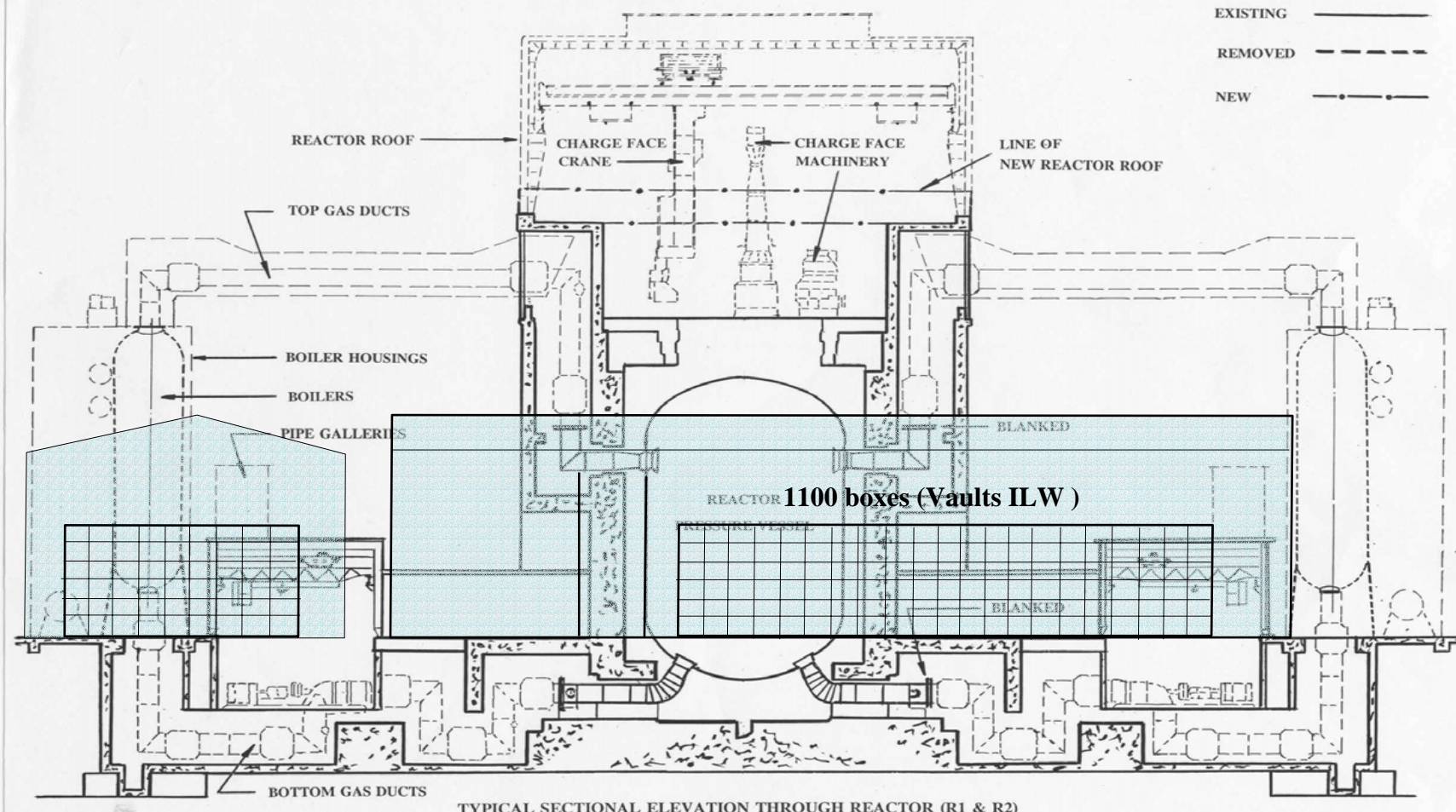


Site with Berkeley Centre completely demolished and Vault ILW store in place

BERKELEY POWER STATION

KEY

EXISTING	—————
REMOVED	- - - - -
NEW	· · · · ·



Berkeley ILW

The store will require planning approval

- Store is a “schedule 2 development”
- Application made to Gloucestershire County Council or Stroud District Council for planning on behalf of the NDA
- Submissions will include
 - - Planning Drawings
 - - WRAP
 - - Design Access Statement
 - - Environmental Impact Assessment

Berkeley ILW

The store has to satisfy the NII, EA and OCNS and our customer the NDA

The Regulators require the following will be produced

- Safety Case
- Best Practical Means study (BPM)
- Environmental Impact Assessment requires surveys and studies to include
 - Landscape and visual
 - Traffic and Transport
 - Ecology and Archaeology
 - Socio-economic
 - Geology, Hydrogeology and soils
 - Air quality, noise and vibration

Berkeley ILW

- Plan to be submitted to GCC 31/03/07
- Hope to get planning approval by July 07
- SSG will receive regular updates on planning progress

- Construction will take approx 2 years
- Store operational by fall 09