

**NDA**

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**LLW Repository Ltd**

**NDA National LLW Strategy Group  
April 2008**

# Agenda

Start Time	Finish Time	Topic	Speaker
8.30	9.00	Registration and coffee	
9.00	10.00	Welcome and opening session	Jo Fisher
10.00	10.30	Regulator Perspective	Juliet Long
10.30	10.45	Break	
10.45	11.00	NDA National Perspectives	Ian Roxburgh
11.00	11.15	LLW Repository Ltd	Dick Raaz
11.15	11.35	Providing assured storage and disposal of the UK's LLW	Paul Pointon
11.35	11.55	Plan for developing and implementing a new UK LLW strategy	Chuck Conway
11.55	12.15	Q & A Session	Jo Fisher / Tim Hedahl
12.15	13.15	Lunch	
13.15	14.00	LLW Topical Strategies	David Rossiter
14.00	14.20	LLWR Consignor Support Strategy	Martin Walkingshaw
14.20	14.40	Break	
14.40	15.15	Group Discussion	Jo Fisher / Tim Hedahl
15.15	16.00	Path Forward	Jo Fisher / Tim Hedahl

# Providing Assured Storage and Disposal of the UK's LLW

*Paul Pointon*

*Project Delivery*

Date: 17<sup>th</sup> April 2006

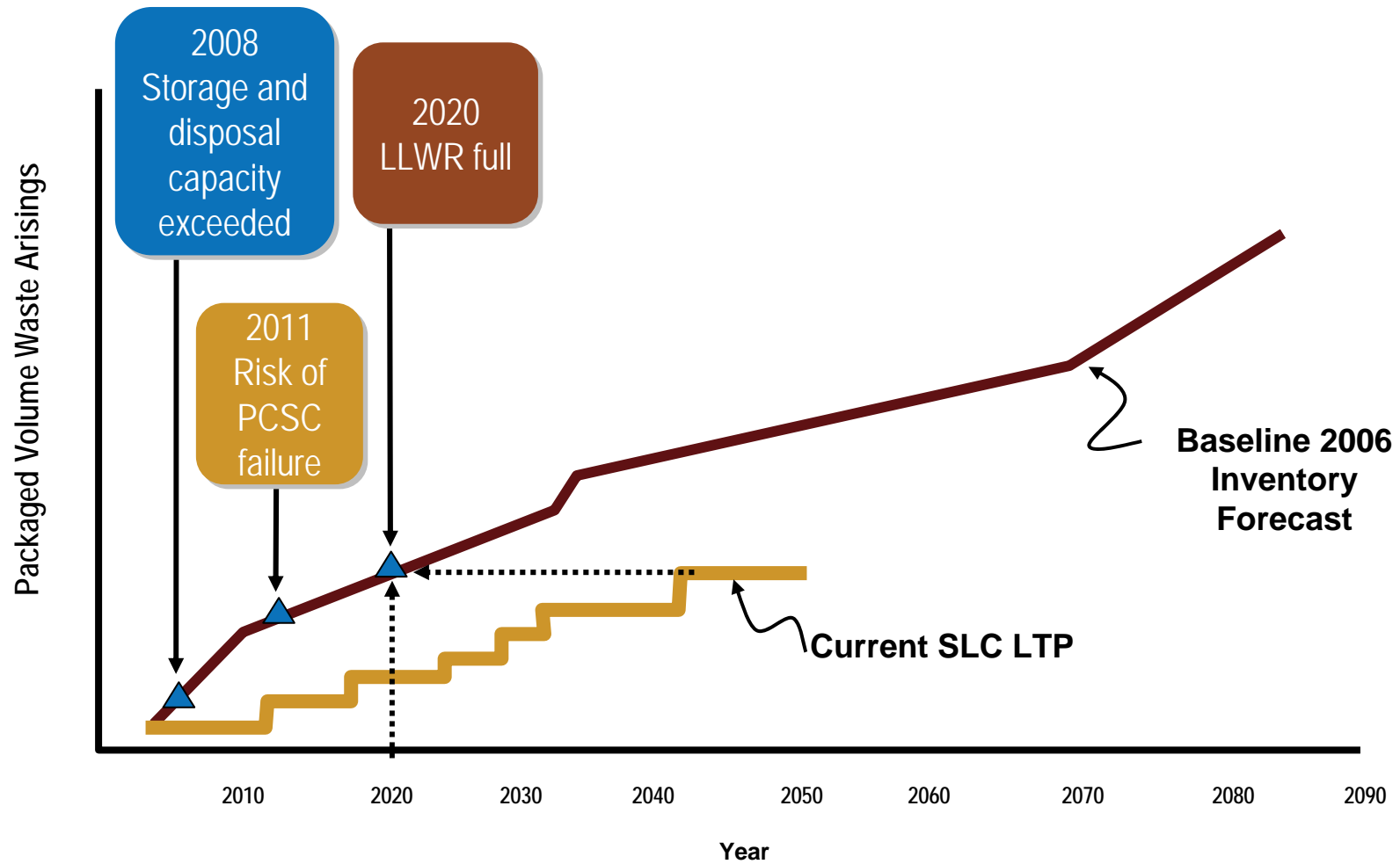
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# Agenda

- The Challenge
- Providing Assured Storage and Disposal
- Operational Strategy for the Site (near, medium, long-term)

# Challenges to Assured Disposal



# LLWR Ltd. Challenges

- Limited remaining authorised disposal capacity in Vault 8
- Potential future volumetric capacity of 750,000m<sup>3</sup> at LLWR (subject to planning approvals and EA Authorisation)
- Inventory projections show ~ 3,900,000m<sup>3</sup> for disposal
- Business-as-usual could fill the remaining LLWR volumetric capacity by 2020-2025
- 2002 Post Closure Safety Case (PCSC) failed to meet EA's requirements

# Providing Assured Storage and Disposal

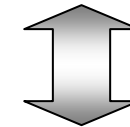
- LLWR Ltd. Accomplishments:
  - Vault 9:
    - Vault 9 planning application submitted June 2007
    - 110,000m<sup>3</sup> capacity
    - Application for storage only (convert to disposal later)
    - Vault 9 Cumbria County Council approval in January 2008
    - Vault 9 operational in 2009
  - Lifetime Project for delivery of a revised PCSC

# Providing Assured Storage and Disposal

- Path forward:
  - Provide storage and disposal at LLWR pending PCSC approval
  - Maximise remaining LLWR storage and disposal capacity:
    - Partner with consignors for a disciplined and integrated implementation of the waste hierarchy.
    - Emplacing into LLWR vaults only those wastes that require multi-barrier containment for human health and environmental protection.
    - Open additional fit-for-purpose waste management and disposal options.
  - Strengthen LLWR Lifetime Project to deliver PCSC

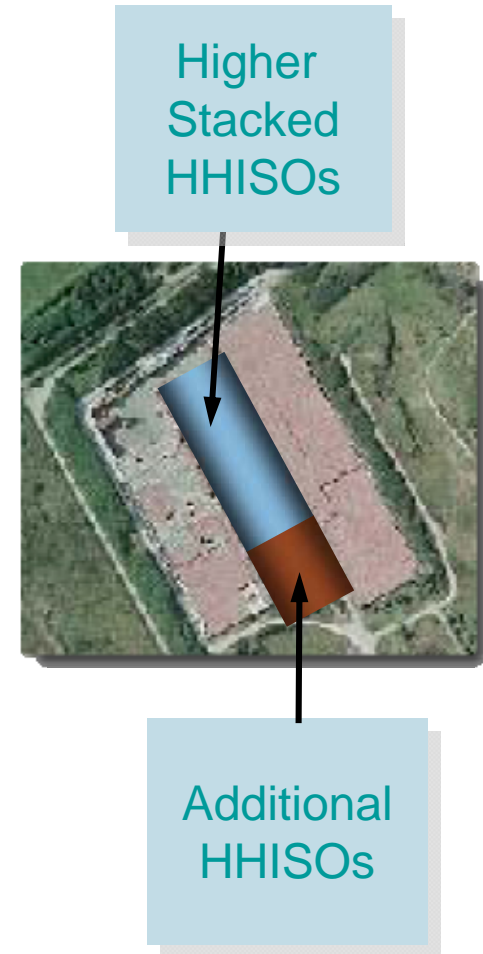
# LLWR Operational Strategy

- Short-Term Operational Strategy
  - Enhance Consignor Support
  - Interim storage of segregated waste streams at LLWR and application of volume-reduction technologies prior to disposal
  - Best use of Vault 8
  - Delivery of Vault 9
- Medium-Term Operational Strategy
  - Full implementation of consignor support organisation
  - Implementation of NDA approved national services and solutions
  - Opening more fit-for-purpose disposal options (VLLW and EW)
- Long-Term Operational Strategy
  - Full service waste management organisation
  - EA Authorisation for disposal



# Vault 8 – Best Use of Engineered Disposal

- Maximise use of Vault 8
  - Higher stacking to be completed as per planning application
  - Additional capacity to be explored
  - New planning application required
  - Open stakeholder engagement fundamental



## Vault 9

- Tender Issued – September 2007
- 8 Quality Tenders Returned – November 2007
- Announcement of Preferred Bidder - Imminent
- Contract Award – June 2008
- Partial Completion – March 2009
- Full Completion – Summer 2009

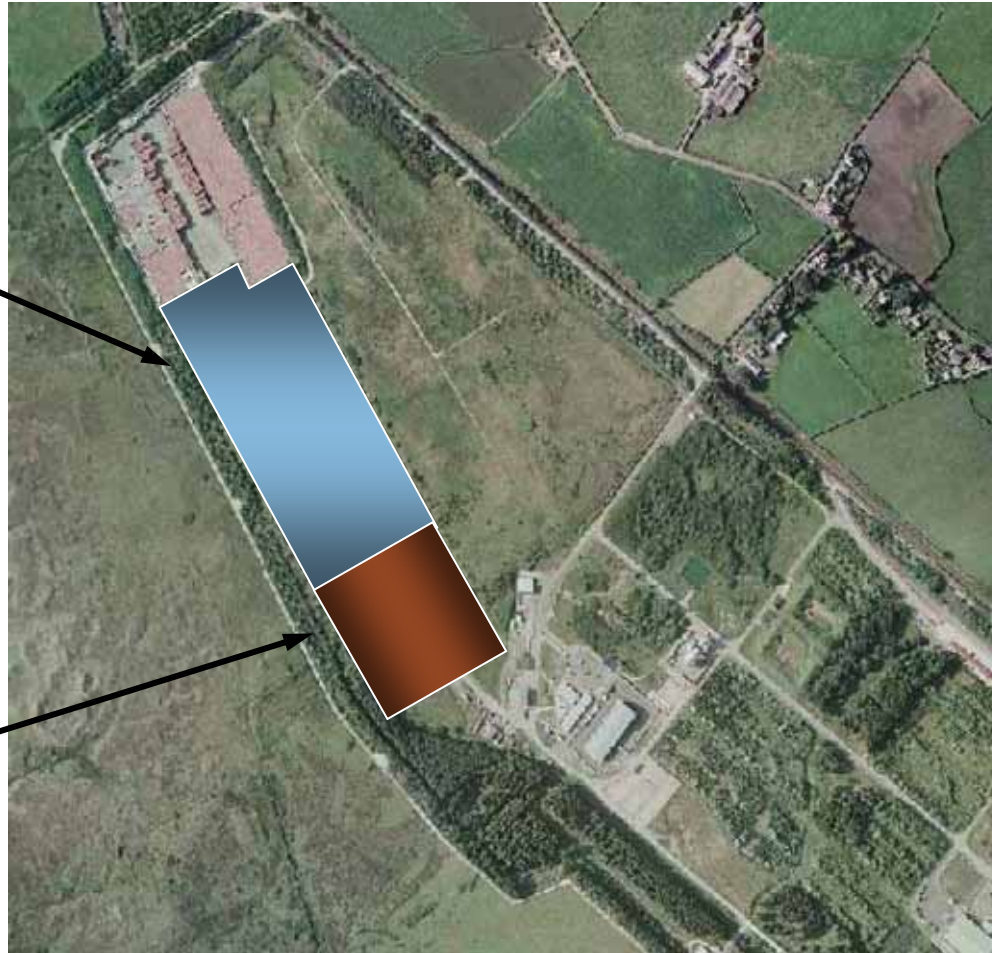
# Vault 9 - Proposed Development



# Medium-Term – VLLW Facility

Vaults 9  
to 12

VLLW  
Disposal Site -  
Vault 13 to 15  
Area



Proposal based on  
constructing the  
VLLW facility within  
the consented area

VLLW facility  
outside the  
consented area will  
be evaluated

# Fit-For-Purpose Disposal Solutions

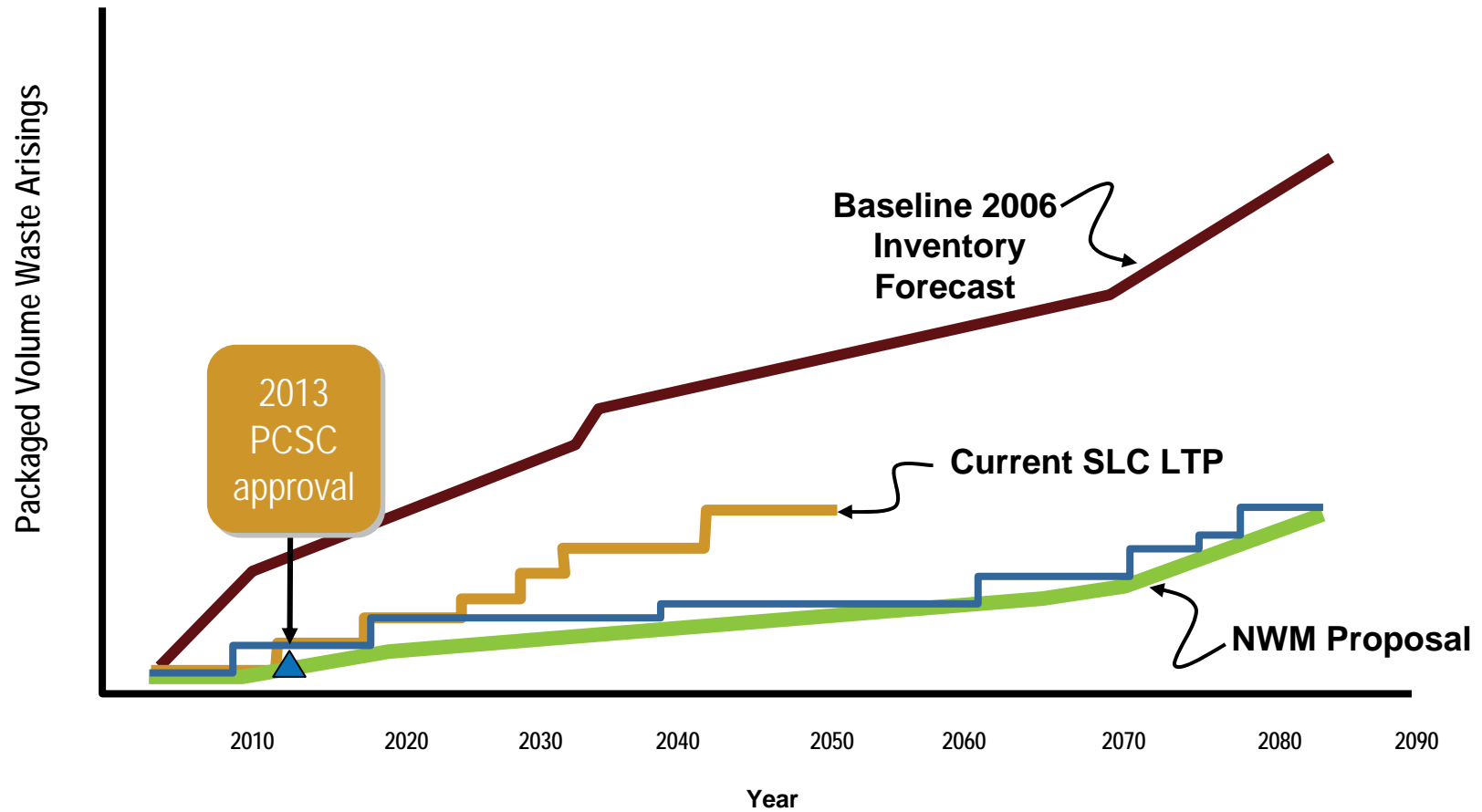
- Example of VLLW Facility in Morvilliers, France



# LLWR Operational Strategies - Timeline

- Produce LLWR Initial Operational Strategy as part of LTP08
- Short-term provision of the assured disposal and strategy based on the latest inventory predictions.
- Revise the Operational Strategy by April 2009 to incorporate the results of LLW Strategic Review.
- Revise the Operational Strategy by April 2010 to take into account the results of the LLW Options and Opportunity Studies

# Partnership with consignors could provide assured storage and disposal well beyond 2050



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