



LLW Repository Ltd

Lifetime Plan 2008

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Lifetime Plan 2008 - Objective

- To provide the NDA an accurate picture of the expected costs to run the Repository for both the contract period (5 years) AND the period to site closure.
 - Incorporate all bid commitments
 - Underpin every number with detailed estimates
 - Show life cycle savings for both the LLWR and the NDA estate

The Effort

- Invested ~8000 Man-hours over 2½ Months
- 57 Projects
- 14 Site Level documents
- 1 Site Summary
- > 125,000 Words
- >10,000 Activities in LTP Schedule
- > 500 Risks



Key Assumptions

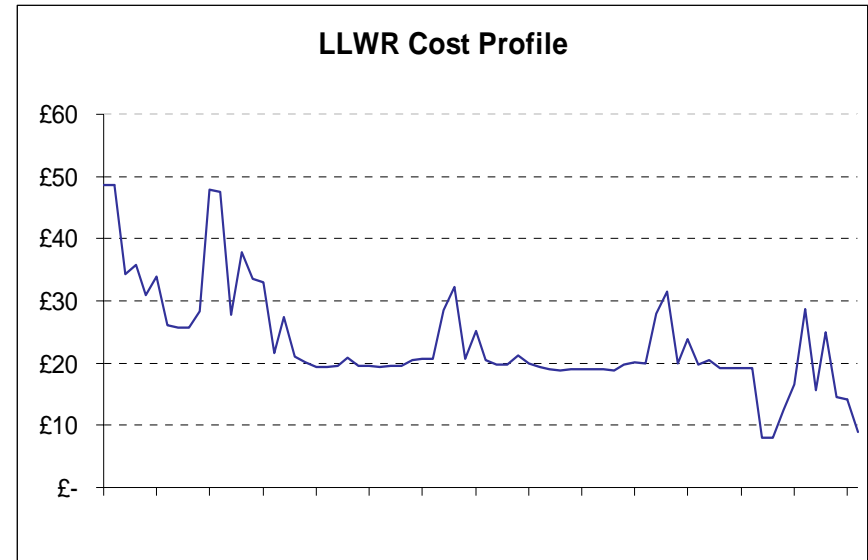
- Waste arisings will be as defined in T1-34-08-LLWR-0930 dated 8th May 2008
- Authorisation for disposal will be granted in 2013 with sufficient radiological capacity to develop the site
- Approval to introduce for specific innovations can be obtained ahead of ESC approval
- Existing rail sidings can support operations, vault construction and capping without a requirement for second rail siding

Lifecycle Overview

2008 – 2080

£1,502 M

- Extend the life of the repository an additional 20 years (to 2070)
- Four LLW Vaults (9 – 12)
- Alternative transport and marshalling arrangements pilots April – August 2010
- Gull wing Capping in five phases
- Closure activities essentially unchanged
- Handback to NDA 29th April 2080



Key Near Term Elements

- Deliver a National LLW Strategy
- Construct Vault 9
- Innovations delivered
- Implementation of the waste hierarchy across the estate
- PCM Decommissioning (POCO) and eventual demolition
- Delivery of the Environmental Safety Case (PCSC)

Summary

- Early LLWR LTP's did not capture the true long term costs of running the repository.
- LTP08 identifies for the first time the total cost of running the repository for the next 47 years (and beyond)
- Once implemented, the innovations identified in the UKNWM bid will save money on three fronts:
 - Against the original baseline by 2050 (> £127 Million)
 - By delaying or eliminating the uncostered liability of building a second repository (> £1 Billion)
 - By providing other SLC's avenues for significant waste reduction techniques and thereby saving Billions across the NDA estate.