

Optimisation of Waste Management

Waste is the “Product” of our Decommissioning...



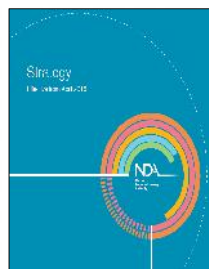
Waste Optimisation

Optimisation of waste management is important because:

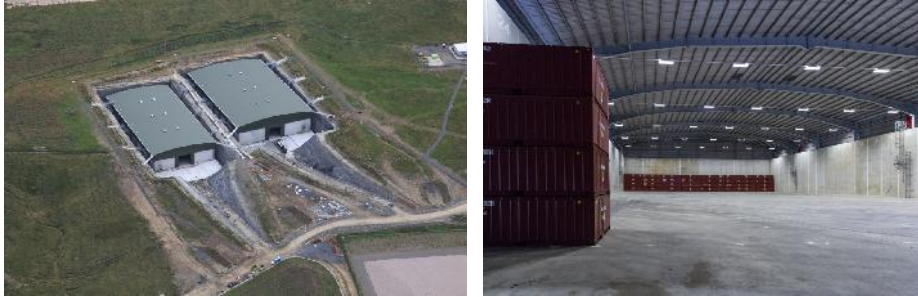
1. *It is a regulatory (SEPA) requirement to demonstrate “Optimisation” and “Best Practicable Means”*
2. *Optimisation will deliver best results for cost and programme*

Optimisation must balance:

- Economic Costs
- Government policy
- Social benefits
- Safety impacts
- Application of the Waste Hierarchy
- Proximity principle
- Environmental impacts
- Radiological impacts



Low Level Waste Disposal Vaults



Waste Optimisation in Practice

- Sharing learning & applying national best practice
 - National Waste Programme Peer assist undertaken October 2017
- Optimising waste management from generation through to disposal
 - *Waste Informed Decommissioning approach*
- Application of the Waste Hierarchy
 - Segregating waste for correct treatment and disposal routes
- Making best use of onsite infrastructure:
 - LLW Disposal Facility
 - Waste handling and treatment facilities
 - LLW Stores



Feasibility Study for Metallic LLW Diversion

- Some historic metallic wastes have not yet been demonstrated as suitable for disposal at Dounreay's LLW Vaults
- Must consider alternatives to determine optimised approach
- Options include treatment and recycling both in UK or overseas
- No pre-conceived outcome
- Contract for feasibility study is being tendered:
 - Outcome of feasibility study early in 2019
 - Implementation of options 2019-2020



Examples to be Considered in Feasibility Study

