

Waste Forecast Improvement Project

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November 2008



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LLW Repository Ltd

Drivers for improvement

- NDA's request for a dedicated project
- Provide a clear picture for strategy, future disposal and treatment needs
- Support environmental safety cases
- Allow medium term management of assets: disposal sites, treatment facilities
- Identify opportunities

Waste Forecast Improvement Project

- Phased approach
 - Improve data reporting
 - Improve data quality
 - Modify the list of required wastestream data
- Concentrate effort on
 - Major contributors: volumes, radionuclides
 - Short term (5 years forecast)
- Inventory single points of contact: sites or SLCs, LLWR

Improve data reporting: **Best Use of Existing Framework**

- Wastestream identification
- Data format
- Accuracy & completeness
- Appropriate disposal route
- Decrease reporting/processing time

Improve data quality: **New quality expectations/requirements**

- Provide underpinning evidence or references, document changes in successive reports
- Provide uncertainties
- Concentrate efforts on key wastestreams and short term forecast
- Decrease reporting/processing time to “near Real Time”

Improve data usability: **Modify Waste Accountancy Template**

- Modify Waste Accountancy Templates to provide the appropriate data where required: strategy, LLWR Environmental Safety Case, planning
 - Examples:
 - Underpinning evidence for data (volumes, fingerprint, planning)
 - Chemo-toxic radio-active waste data

Current Status

- Current status was presented by Alan Wareing in August
- Difficulties encountered
 - Large changes in successive inventories
 - Data identification, format, gaps & inconsistencies
 - Missing fingerprints and poor radionuclides inventory
 - Lack of underpinning evidence for assumptions and presumptions
 - Long turn-around time (data gathering + processing)
 - Poor short term forecast accuracy