

UK National Nuclear Laboratory support to Sellafield

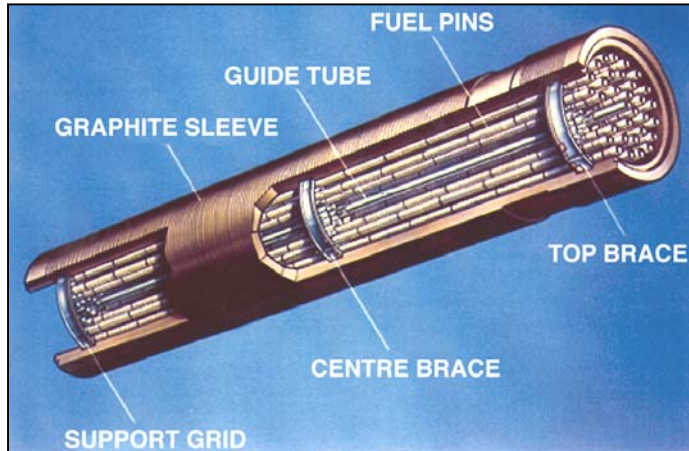
WM 2011



Background

- NNL formed from BNFL R&D Division
- Long history of underpinning activities at Sellafield
- Most of NNL staff based on Sellafield site or in area
- Key objective for NNL is to provide solutions to technical challenges
 - Accelerate clean up program
 - Improve operational performance
 - Reduce costs
 - Innovation
 - Trusted advisor

Technical Support



Working with Sellafield Ltd

- Agreement to work in Partnership
- Joint objectives for key technical staff from both organisations
- Joint innovation workshops
- Involvement in technical Centres of Excellence
- Integrated NNL teams in programmes areas

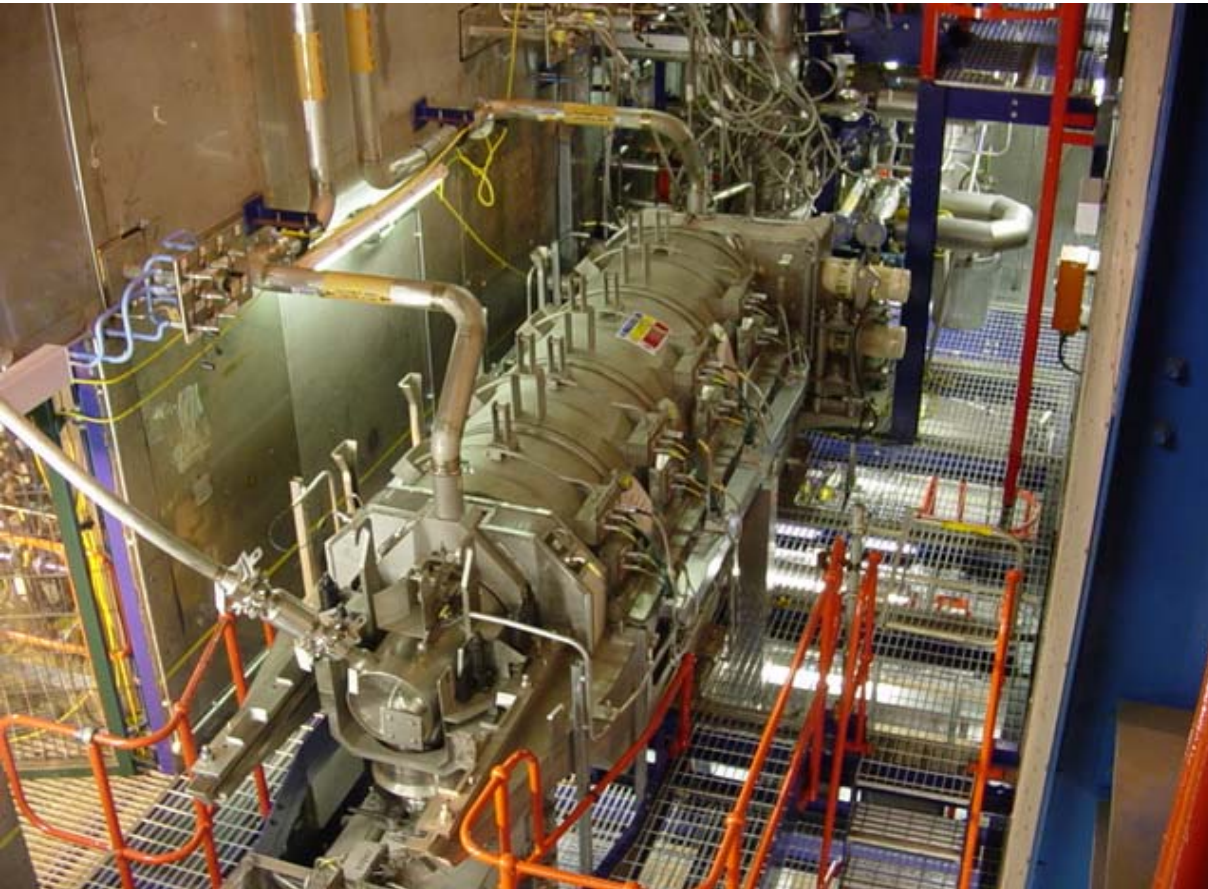
High Level Waste Management - Operational Improvements



Highly Active Evaporator Coil Inspection Device



Vitrification Test Rig



Working with the USA

- Close links to number of US National Labs
- Support for Sellafield through extended capability
 - Legacy waste management
 - High active waste
- Supporting Sellafield through NDA / DOE agreement
 - Spent fuel management
 - Pu storage
- DOE support for NNL technology
 - Radball

