Department of Nuclear Energy

For TC Europe Vienna – 29 May 2009

Alan McDonald

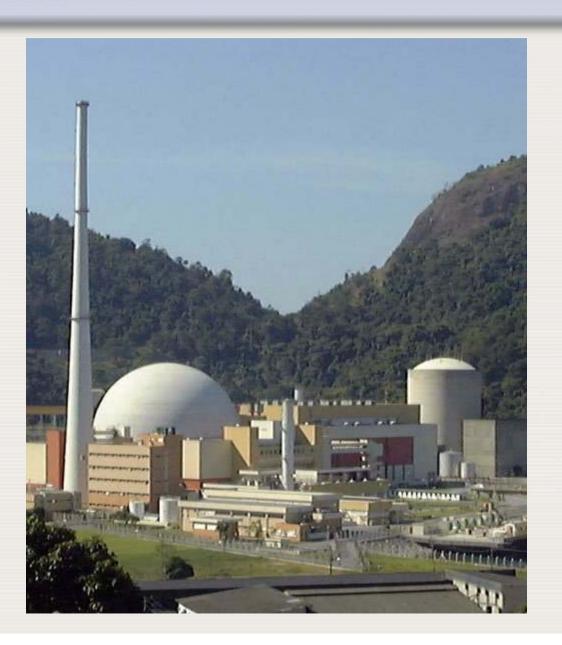


Dept. of Nuclear Energy

 "The Agency shall seek to accelerate and enlarge the contribution of atomic energy to peace, health and prosperity throughout the world."

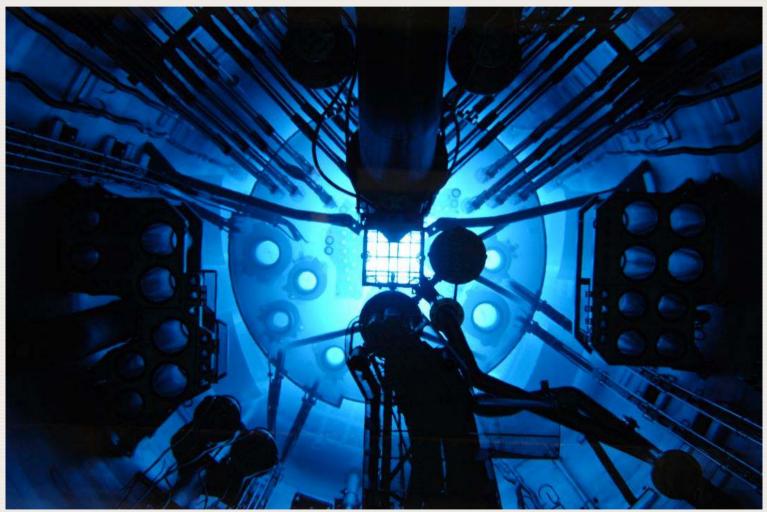


Nuclear Power





Research Reactors





Waste: technical incl. non-power





Planning, Information, Knowledge

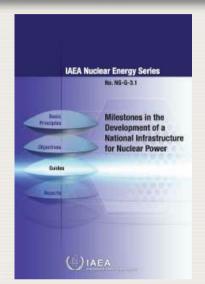




Products







IAEA-TECDOC-1491

Management of continual improvement for facilities and activities: A structured approach



April 2008

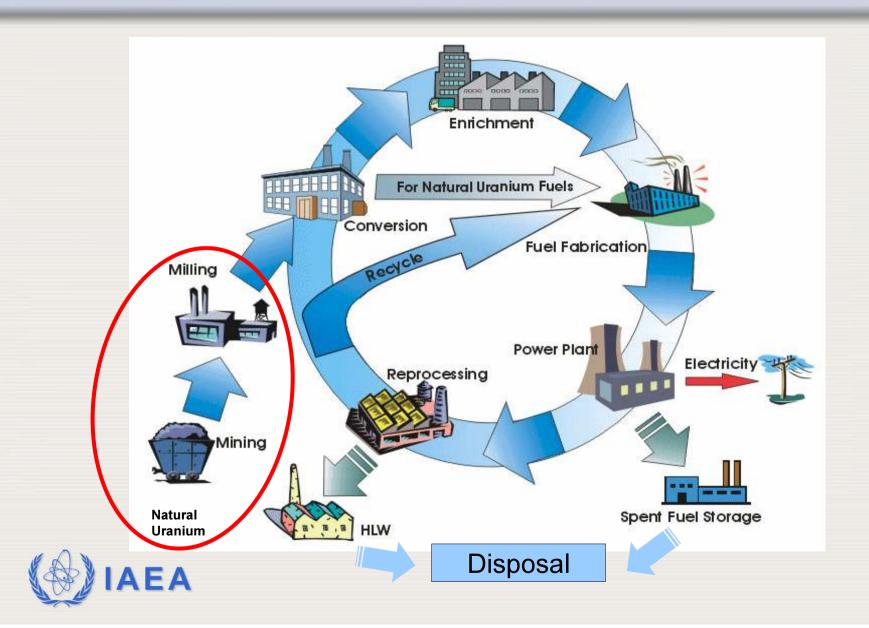


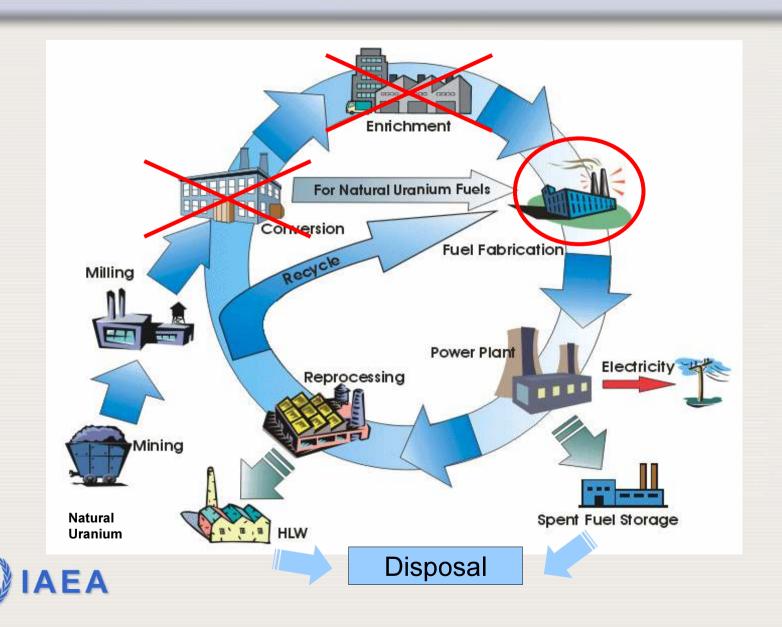


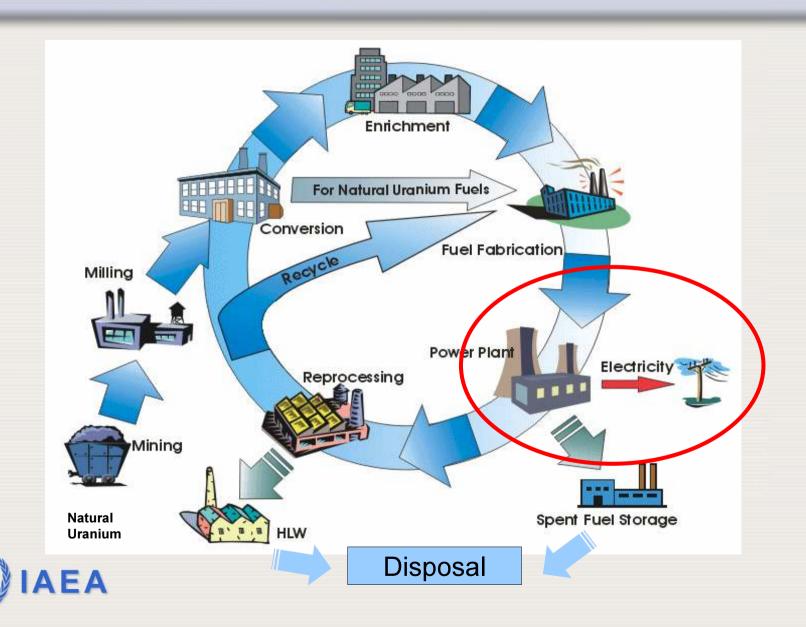
Planning, Information, Knowledge











Milestones

Issues	Ready to make	Ready to	Ready to
	а	invite bids	commission
	knowledgeable	for the 1st	and operate
	commitment to	nuclear	the 1st
	a nuclear	power plant	nuclear power
	programme		plant
1.			
19.			

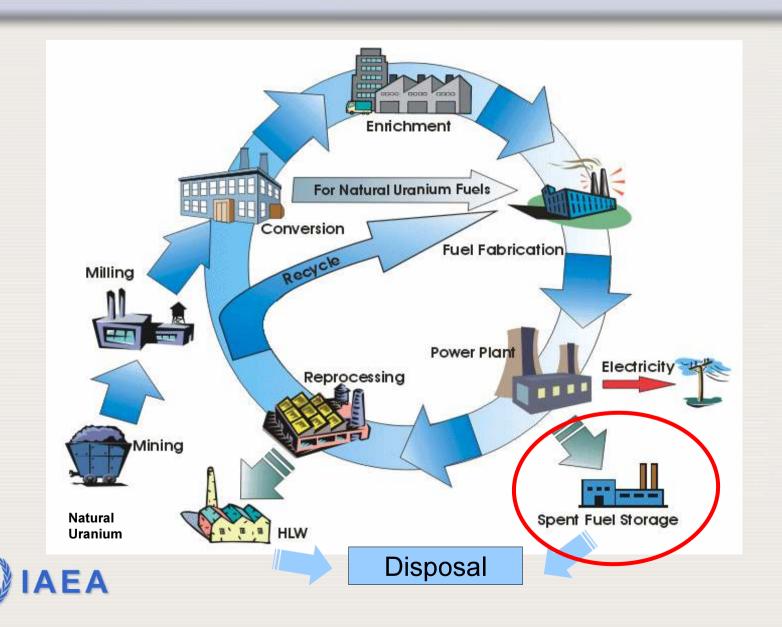


Issues

- National position
- Nuclear safety
- Management
- Legislative framework
- Regulatory framework
- Financing
- Human resource development
- Safeguards
- Security and physical protection

- Emergency planning
- Radiation protection
- Nuclear fuel cycle
- Nuclear waste
- Environmental protection
- Site and supporting facilities
- Industrial involvement
- Procurement
- Electric grid
- Stakeholder involvement





Spent Fuel



Advances in Applications of Burnup Credit to Enhance Spent Fuel Transportation, Storage, Reprocessing and Disposition

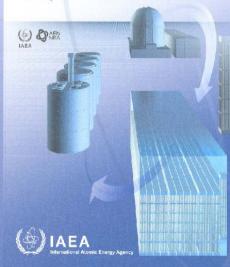
Proceedings of a Technical Meeting held in London, 29 August – 2 September 2005



May 2003

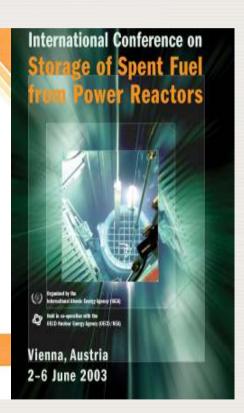
Management of Spent Fuel from Nuclear Power Reactors

Proceedings of an international conference Vienna, 19-22 June 2006



IAEA-TECDOC-1823

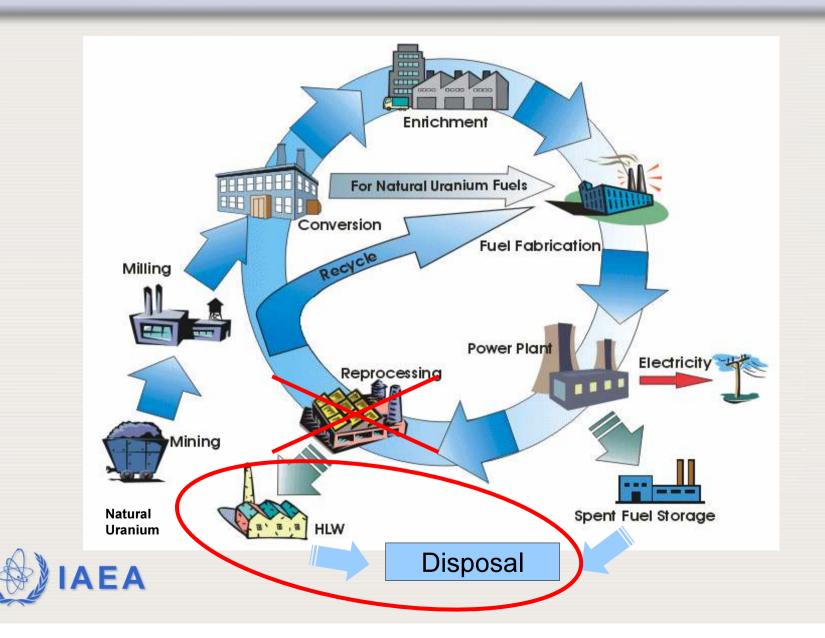
Optimization Strategies for Cask Design and Container Loading in Long Term Spent Fuel Storage





Depember 200





Spent Fuel



Deep geological disposal





Recovery of cobalt source, Thailand







Borehole disposal (BOSS)



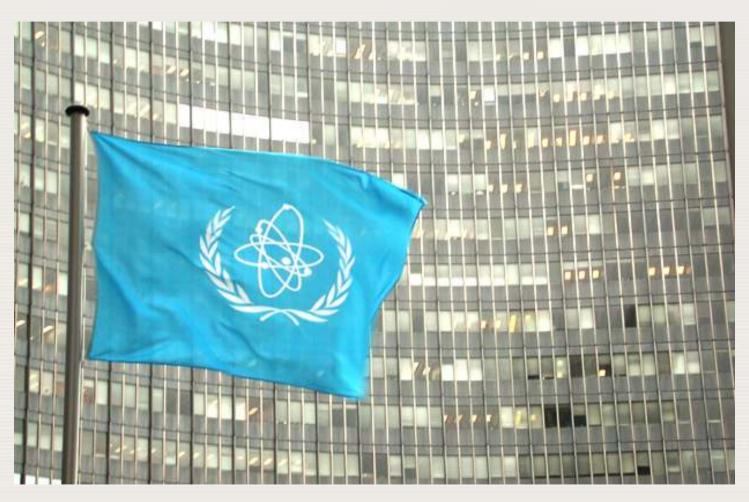


Research reactor fuel repatriation





IAEA





...atoms for peace.