

GLOSSARY

Power and Process Nuclear

Acronyms:

Acronym	Meaning	Explanation
AE	Architect Engineer	Designer of a nuclear power plant; tier 1 position
AGR	Advanced Gas Cooled Reactor	Unique UK design, used in British Energy fleet
BE	Back end	Spent fuel – from which uranium may be recovered
CANDU	Or British Energy CANada Deuterium Uranium	All current power reactors in Canada are of the CANDU type.
CFU	Coal Fired Units	
CCS	Carbon Capture and Storage	
CCSA	Carbon Capture and Storage Association	
FE	Front end	Fuel
GHG	Greenhouse Gas	
HLW	High level waste	See slides in Clean up section
IAEA	International Atomic Energy Authority	
IEA	International Energy Association	
ILW	Intermediate Level Waste	See slides in Clean up section
LLW	Low Level Waste	See slides in Clean up section
MOX	Mixed Oxide	
NDA	Nuclear Decommissioning Authority	Has strategic responsibility for the UK's nuclear legacy
NPP	Nuclear Power Plants	
NSSS	Nuclear Steam Supply System	
PAIS		Sellafield operational improvement programme
PBO	Parent Body Organisation	Known as Nuclear Management Partners (NMP), now owns the shares of the Sellafield Site Licence Company
PFR	Prototype Fast Reactor	Reactor developed for Dounreay site, UK
PWR	Pressurised Water Reactor	See slide in pack for diagram
SLC	Site Licence Company	See information on Sellafield
TSA	Technical Support Alliance	Supporting British Energy
VLLW	Very Low Level Waste	See slides in Clean up section
WNA	World Nuclear Association	

Terms**Term**

Conventional Island

Enrichment

Fuel Fabrication

Nuclear Island

Pyrolysis

Smart Grids

Super Grids

Explanation

Similar to conventional power generating station – transformers, generators, turbines etc

Concentration of the reactive element

Manufacture of nuclear fuel

Nuclear Steam Supply System and associated nuclear fuel and waste

The chemical decomposition of a condensed substance by heating

Uses intelligent technology to monitor and optimise the efficiency of the grid

A wide area transmission network that makes it possible to provide connections between countries