

Workshop n° 3

Economic Environment

Decommissioning of NPPs: current situation in France

1 – Current situation in France

- ❑ a sound regulatory framework:
 - ❑ unique permit for the entire process
 - ❑ pre-defined key milestones monitored by the Nuclear Safety body
 - ❑ fixed and achievable radiological status (« negligible impact »)
- ❑ a clear policy for decommissioning (e.g. EDF has defined a 20 years period for decommissioning (between end of operation and « return to grass »)
- ❑ new industrial techniques for cleaning up large concrete surfaces have been set up
- ❑ adequate waste routes agreed by the SA and dedicated repositories already built and commissioned (by ANDRA, waste management body) or planned:
 - ❑ Very Low Level waste repository at Morvilliers (Aube)
 - ❑ Low and Medium Level Short Lived waste repository at Soulaines (Aube)
 - ❑ Medium Level Long Lived waste repository planned under June 2006 Waste Law (same repository as for HLWLL waste)

2 – Cost assesment: the “Dampierre” study

❑ a detailed study on a concrete example: Dampierre site (Loiret) – 4 x 900 MW PWR NPPs

- ❑ more than 30,000 workhours between 1995 and 1998
- ❑ an average cost of 280 €/kW, consistent with previous broad estimations and international studies (OECD)
- ❑ first detailed cost breakdown:

❑ Operating costs after stop of plant	5 %
❑ Engineering studies	10 %
❑ Decommissioning work on site	65 %
❑ Waste transportation, management and storage	20 %