AREVA’s experience in Decommissioning

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AREVA is a major owner-operator of nuclear facilities
- As such, AREVA bears the responsibility for full management of its assets, up and beyond their End of Life
  - This includes Decommissioning, Dismantling, Cleanup and Reusing of the land / facilities as appropriate
- AREVA is also involved in D&D projects for domestic and international customers

### Internal Projects
- La Hague

### Domestic Projects
- Georges BESSE I
- CEA Marcoule

### International Projects
- US / Hanford
- UK / Sellafield
- Japan / Fukushima
- Germany
• Transitioning from Plant Operation to Plant Decommissioning is a deep change
  – This needs to be understood and recognized as early as possible. It is not “business as usual”
  – Key points to consider in the preparation
    • Social Transition
    • Initial State specification / Characterization
    • Final State specification / « how clean is clean »
    • Interfaces with Regulatory Authorities
    • Waste Management Strategy
    • Organization and Management Transition
AREVA’s main lessons learned in D&D
Impact on Preparation for Decommissioning

- **Waste and Waste Management is a central focus**
  - Decommissioning is all about waste
  - Larger amount of material are produced with different physical, chemical and radiologic characteristics than what was to manage during operation
  - Optimization of Waste segmentation life cycle: retrieval / processing / conditioning / packaging / routing / transportation / interim storage / disposal is key to control projects cost

- **Planning for Uncertainties is critical**
  - “Surprises” do occur in D&D projects
  - Strategies and plans to anticipate and mitigate potential issues are critical to success
  - This is one of the largest cause of project disruptions with high impact on cost and schedule
Conclusion

• Preparation for Decommissioning is a key “reflex” to develop for future D&D projects
  – to minimize uncertainties and control financials

• AREVA supports the PREDEC conference and related initiatives sponsored by international organizations
  – As an opportunity to optimize the performance of our business lines
    • Managing our internal D&D projects
    • Providing D&D services to domestic customers
    • Supporting international customers

• The “New AREVA” organization will remain strongly involved and committed to D&D
  – It is an integral part of our mission
  – And a major business focus for the group

• We are looking for feedback and recommendations to improve our business approaches