

# Presentation to WCSSG, Commercial Sub-Committee

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# Key Strategic Role

- Brings significant revenue into NDA
- Maintains UK AGR generation capability
- Repatriates reprocessed material to overseas customers

# Main Facilities

- Thermal oxide reprocessing (Thorp)
  - UK AGR reprocessing and storage
  - Overseas LWR/PWR/BWR reprocessing
- Mixed Oxide Fuel Manufacturing (SMP)
  - Manufacturing of MOX fuel for overseas customers with Thorp reprocessing contracts
- Oxide Fuel Storage Ponds and Flask Maintenance
  - Storage facilities for spent nuclear fuel
- Directorate directly employs 1600 people and a further 300 site functional support

# Key Issues for Thorp

- Downstream availability of High Active Liquor Management
  - evaporator C operational in support of oxide HAL
  - overall evaporator capacity limited
- Current production restricted, creating several pressure points that need short term management. These issues have potential to impact on long term strategy
  - storage and reprocessing of UK AGR fuel
  - reprocessing of remaining overseas fuel
  - economics of THORP business
  - impact on future workforce numbers

# Thorp Key Achievements

- No significant safety issues
- Overseas fuel campaign complete. AGR and further overseas fuel scheduled for reprocessing during 08/09
- Planned engineering outage complete including successful installation of a new MASFE
- On programme to meet production target 08/09

# Key Issues for SMP

- Low production throughput against original plan
- Due to complexity of design and build of SMP. It is unlikely to meet planned throughput without further investment
  - this impacts on economic viability
  - material Management Strategy
  - customer Plans
  - future workforce numbers
- SMP Review by NMPL and Areva

# SMP Key Achievements

- No significant safety issues
- Two fuel assemblies built this year to date; a further 3 planned for 08/09
- Plant availability and performance improving
- Systematic approach to delivering work, both maintenance and improvement
  - changing the culture
- Continued customer support for SMP and receiving their plutonium back as MOX fuel

# In Conclusion

- The issues for the Directorate are well understood
- Resolution of the issues is complex
- All will need some level of financial investment and stakeholder buy-in
- SL working with NDA on optimising the best solutions