

NSNFP 2008 Workscope

NSNFP Strategy Meeting

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EM *Environmental Management*

safety ❖ performance ❖ cleanup ❖ closure

TECHNICAL SUPPORT

- Licensing application analysis
- Yucca Mountain onsite representative
- Spent Fuel Database

DESIGN ENVELOPE

- Multi-parameter uncertainties
- Sodium bonded analysis
- Pre-closure safety
- Source term analysis
- Canister fragility analysis

CRITICALITY

- Criticality support to license application
- Criticality internals
- Criticality AI/Fermi
- Criticality transportation

STANDARDIZED CANISTER

- Topical report on moderator exclusion during transportation
 - Final draft to EM for submittal to NRC
- Standardized canister materials evaluation
- Standardized canister strain report
- Standardized canister weld procedures

ADVANCED NEUTRON ABSORBER DEVELOPMENT

- ASME Code Case
- Weld process development
- Weld testing
- Neutronic measurements
- ASTM testing and qualification
- Microstructure characterization
- Mechanical process development



QUALITY ASSURANCE

- Maintain RW acceptance of the NSNFP
- Ensure that quality related technical activities and products meet NSNFP QA program requirements
- Perform audits and surveillances
- Support EM/RW Audits