

Spent Fuel Shipment Risk Assessment Project
Discussion Points

1. PROJECT SCOPE

- Goal: - Support Strategic Plan Openness
Strategy (1): Provide timely & accurate information to public about risks of radioactive material transportation
- Purpose: - Enhanced SNF transport risk assessment basis
- Enhanced public support for NRC SNF risk assessment
- Reduce unnecessary conservatisms; improve realism; characterize uncertainties
- Application: - NRC baseline generic SNF transport risk assessment
- Review YM-related SNF transport risk assessments
- Continuing review process
- Alternatives: - New NUREG or NUREG/CR
- Supplement NUREG/CR-6672

2. BASIC MILESTONES/PUBLIC INTERACTION

- i. Initiate and complete Project
- ii. FR Notice Project completion - solicit public comment
- iii. Peer review
- iv. Contractor response to public comments and peer review
- v. Revise/Publish

3. METHODOLOGY

- NUREG/CR-6672 analysis "footprint"
Cask designs: - Actual vs generic?
(Re)evaluate factors strongly coupled to risk estimates (sensitive and uncertain)
Identified factors for technical improvements (relative to NUREG/CR-6672):
- NUREG/CR-6672 conservatisms
- LLNL NUREG/CR-6672 peer review
- PPS (non physical-testing) issue rankings from public scoping process
- Examples: - Canisters (J5546 SOW now at SNL), Thermal analysis, Contents, Bolts, etc.
- Constraints: - No physical testing, no security aspect

4. ISSUES

- PPS differentiation/interface
Performing organization - Sandia COI

5. RESOURCE ESTIMATES

- Depending on above Alternative and Improvements:
\$400K-\$800K (including \$250K allocated for FY05 and FY06)
3-4yrs
SLID/TRD contacts

6. RESULTS OF MEETING