

Spent Fuel Transportation NRC Update



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AGENDA

- Package Performance Study
- Transportation Rulemaking
- NAS Transport Study

PACKAGE PERFORMANCE STUDY

PROJECT MANAGEMENT

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PPS PROPOSED SCOPE FOR CASK TESTING (NUREG-1768)

- Severe Impact and Fire Accidents
- Full Scale Testing Being Considered
- 1 Rail Cask and 1 Truck Cask Design
- Demonstrate the adequacy of Codes and Models and Adequacy of Regulations
- Public Participatory process

Package Performance Study Status

- The PPS Test Protocols Report (NUREG-1768) - preliminary impact & fire cask tests
- Available at: <http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1768/>
- Public Comment Period ended 30 May 2003
- Over 1000 pgs of Transcripts and 250 comment letters

Comments

- Conflicting objectives – technical & public confidence
- Full scale certification test sequence
- Realistic test speeds
- Testing to cask destruction/failure
- Terrorism is not addressed

STAFF'S POSITION

- Clarify PPS Objectives
- Keep Full Scale Testing
- Alternative Testing Options

TESTING OPTIONS

- Tests Proposed in NUREG-1768 (extra regulatory)
- Reg Rail, Demo Rail, and Demo Truck
- Reg Rail and Demo Rail
- Reg Rail and Reg Truck

PATH FORWARD

- Commission Policy Decision
- Publish Comment Resolution Document
- Develop Testing Success Metrics
- Publish Detailed Test Plans and Procedures
- Continue Public Outreach

SCHEDULE

- Commission Direction ~ April/May timeframe
- Comment Response Document
- Detailed Test Plans and Procedures
- Cask Procurement
- Conduct Tests
- Project completion expected in FY09

Transportation Rulemaking

- Joint NRC and DOT effort
- Final NRC rule approved by Commission in November 2003
- Publication of NRC/DOT final rules :
 - January 2004 – October 1, 2004 Effective Date
- Rule Highlights
 - Compatibility with IAEA
 - Elimination of older package designs – 4 year phase out (from effective date)
 - Elimination of double containment for Plutonium
- Joint NRC/DOT Workshop 4/15/04

NAS Transportation Study

- Objective
- Public meetings held in Washington, Las Vegas, Denver, and Chicago
- Future Public Meetings
- Summaries on NAS website:

<http://nationalacademies.org/transportationofradwaste>

Questions ?