YM Surface Facility Design

Industry Expectations

NWTRB Panel on the
Engineered Barrier System
January 20, 2004

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Federal Repository Program
A Contractual Relationship

• Federal responsibility for used nuclear fuel and high-level waste disposal is long established
• DOE and nuclear utilities are linked by
  – Nuclear Waste Policy Act
  – Standard Contract for Disposal
    • Individual contracts with nuclear utilities
• The quid pro quo
  – DOE conducts waste acceptance and disposal and
  – Utilities pay fees to cover all cost of disposal
Repository Operation and Surface Facility Design

- What does the industry want?
  - Repository operation by January 31, 1998
  - Current DOE milestone is 2010

- What contributes to operational success?
  - Submittal of LA in December 2004
  - Completion of facility design
  - Development of transportation system
  - Coordination with states and tribes
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*Industry Interest*

- Industry has a stake in the success of the repository facilities and their licensing
- Design must be practical and licensable
  - To support operation in 2010
- Design is an important part of the LA
- Design should accommodate the higher acceptance rates
  - 400 to 3,000 MTU over five years
- Design should accommodate all types of commercial used nuclear fuel from the beginning of operation
- Utilities can select used fuel to be transported
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*Industry Interest*

- Design should not impact existing commercial power plant normal fuel handling operations
- Design should not impact transportation operations
- Design must utilize NRC certified transport systems
- Design needs to recognize the deployment of dry storage systems at plant sites
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Industry Assistance

- Industry has/will responded to DOE/BSC requests for assistance when asked
- Provided used fuel handling information based on utility experience
- Provided used fuel transportation information based on extensive utility experience
- Exchanged technical information on used fuel and plant operating procedures
- Industry will work with DOE to make transport as efficient as possible
Summary

- Surface facility design is important to the operation of the repository and the acceptance of industry used nuclear fuel
- The design should not impact commercial power plant operations or transportation
- The design must accommodate all industry used fuel
- The industry has and will respond to assistance requests from DOE/BSC
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