License Application
Design Selection Summary

Presented to:
Nuclear Waste Technical Review Board
Panel For the Repository

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License Application Design Selection

- Will define the updated design(s) for the Site Recommendation / License Application
- Report is scheduled for delivery to DOE April 15
- DOE’s review is scheduled to complete May 28

- Current Status:
  - Completed a two week workshop to develop Enhanced Design Alternatives (Jan 4 - 15)
LADS Process Summary

• Pre-Workshop activities
  – Design Features and Alternatives Evaluations
  – Independent Review Team discussions

• Initial Workshop activities
  – “One-Off” analysis discussions
  – TSPA evaluation discussions

• Balance of Workshop associated with EDA development
EDA Development/Consolidation

• Design concept teams breakout sessions
  – Developed 23 candidate EDAs
  – EDA discussions were focused by identifying
    » integral features
    » and other features

• Categorizing the features simplified the EDAs comparison process and supported consolidation
Key Issues

- Adequacy of Defense in Depth approach to address
  - uncertainty / variability of natural system
  - uncertainty in engineered system
- Technical bases for decisions
- Evaluation criteria consolidation
- Level of design recommendations to be made
- Transparency of the LADS process
Process is Working

- EDAs developed during the workshop demonstrated a willingness to look beyond the VA design
- Capabilities and limitations of features, alternatives and modeling were openly discussed
- The design concept teams became advocates for their EDAs
- Workshop ended with 8 EDAs to be taken to the next evaluation phase