

Transportation Strategic Planning Considerations

Introductory Comments

**Presented by Dr. Mark Abkowitz, Member
Nuclear Waste Technical Review Board**

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The transportation activity is expected to be a complex operation, involving a diverse set of organizations and individuals.

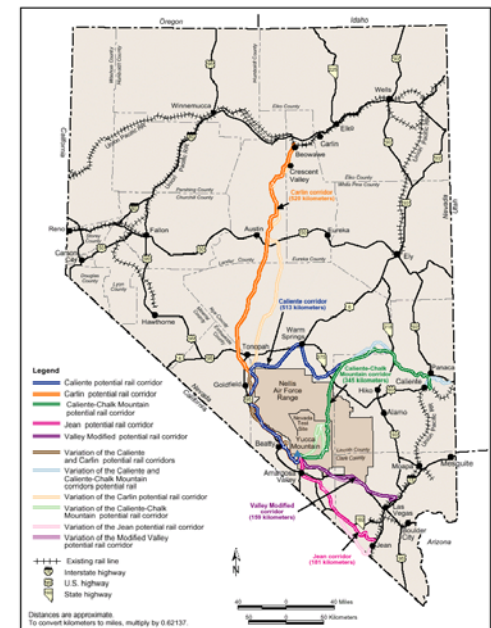
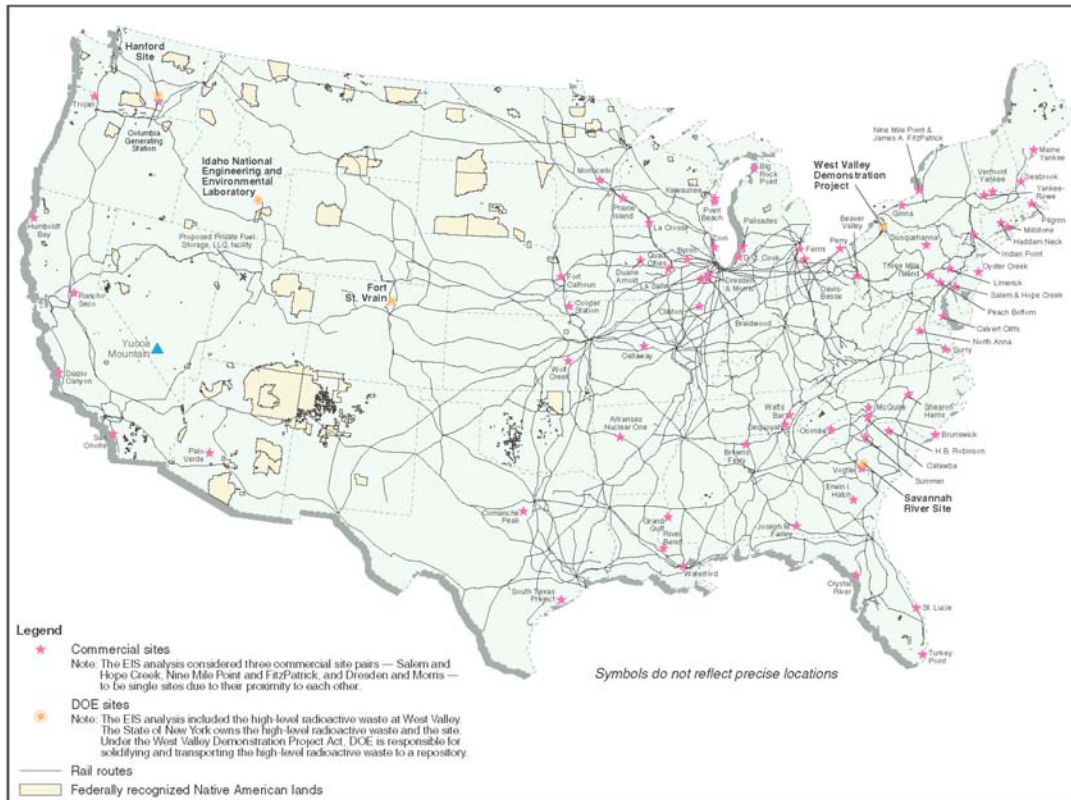
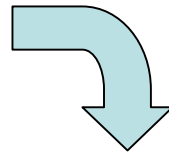


Figure S-13. Potential Nevada rail routes to Yucca Mountain.

There are many issues to consider:

- Waste acceptance
- Loading
- Packaging
- Mode
- Route
- Permitting
- Carrier selection
- Inspection
- Maintenance
- Notification
- Tracking
- Transfer operations
- Unloading
- Emergency response
- Security
- Contingency planning
- xxxxx
- xxxxx

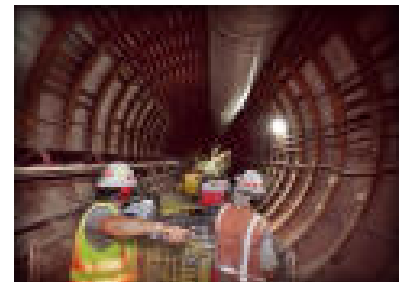
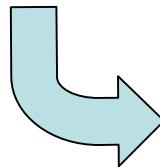
Transportation activities are best addressed in a holistic, systematic manner.



Load



In-Transit



Unload and Emplacement

Panel Objectives

- To hear directly from those who could have **operational/oversight** responsibilities for the **safety/security** of SNF and defense high-level waste during the **loading/in-transit/unloading** activity.
- To identify where key transportation safety/security considerations are lacking attention and/or resources.

Participant Questions

- What are your key Yucca Mountain transportation safety/security concerns?
- How have you been able to address these concerns based on information and resources provided by DOE?
- What concerns have you been unable to address? What does DOE need to provide to allow this to happen?
- How long will it take you to address these concerns once DOE has provided what you need?

Prior Experiences & Lessons Learned

- Objectives and characteristics of the shipping campaign.
- Problems and solutions from a safety and security perspective.
- Experiences and lessons learned that may be transferable to the Yucca Mountain transportation scenario.