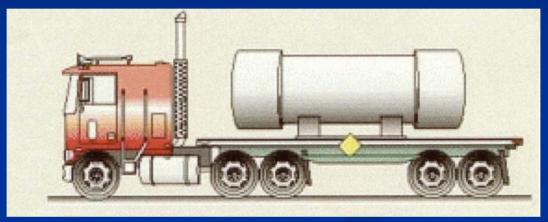
## NRC's Role in Transportation of SNF and HLW



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#### NRC's Roles in Regulating NRC-Licensee Shipments of SNF

- Certification of Shipping Packages
- Inspection of Package Designers, Fabricators
- Enforcement of NRC and DOT safety rules
- Enforcement of Physical Protection Measures
- Emergency Response assistance to first responders, lead Federal Agency

### NRC's Role in Regulating SNF and HLW Shipments to Yucca Mt.

- NRC's role is constrained by:
  - § 202 of the Energy Reorganization Act of 1974
  - § 180 of the Nuclear Waste Policy Act of 1982
- NRC's role under NWPA § 180 is limited to:
  - Certifying package designs used to ship SNF and HLW to Yucca Mt.
  - Requiring advance notification of shipments to State and local officials

### DOE's Role in SNF and HLW Shipments to Yucca Mt

- Inspection of Package Designers, Fabricators
- Enforcement of DOE's and DOT's safety rules
- Enforcement of DOE's Physical Protection Measures
- Emergency Response assistance to first responders, lead Federal Agency
- Performance of the shipments under the standard contract

#### Physical Security Interfaces

- DOE has voluntarily adhered to NRC's security requirements as part of DOE/EM's returning foreign research reactor SNF program
  - Reimbursable agreement DOE/NRC
    - Security route approvals
  - Advance notification of FRR shipments to NRC and States
  - Physical security measures
    - Armed escorts, position monitoring, immobilization devices, procedures, and enhanced security measures

#### Roles in Spent Fuel Transportation

	NRC	DEPARTMENT OF ENERGY			
	LICENSEE	West Valley	Yucca Mountain	Foreign Reactor	Naval Reactors
Package Approval	NRC DOT	NRC¹	$NRC^2$	DOT NRC <sup>1,3</sup>	DOE NRC¹
Package Preparation	NRC DOT	DOE DOT	DOE DOT	DOE DOT NRC	DOE DOT
Carrier Safety	DOT STATES	DOT STATES	DOT STATES	DOT STATES	DOT STATES

<sup>&</sup>lt;sup>1</sup> Per NRC/DOE Reimbursable Agreement

<sup>&</sup>lt;sup>2</sup> Per Nuclear Waste Policy Act

<sup>&</sup>lt;sup>3</sup> Per NRC/DOT Memorandum of Understanding

### Roles in Spent Fuel Transportation (continued)

	NRC	DEPARTMENT OF ENERGY					
	LICENSEE	West Valley	Yucca Mountain	Foreign Reactor	Naval Reactors		
Physical Protection	NRC	DOE	DOE	NRC DOE	DOE		
Emergency Response							
First Response	STATE	STATE	STATE	STATE	STATE		
	LOCAL	LOCAL	LOCAL	LOCAL	LOCAL		
Lead Federal Agency	NRC	DOE	DOE	DOE NRC	DOE		
DOE Response Teams	DOE	DOE	DOE	DOE	DOE		

### Primary Roles in Selecting and Approving Highway Routes for Spent Fuel Transportation

	NRC	DEPARTMENT OF ENERGY			
	LICENSEE	West	Yucca	Foreign Reactor	
		Valley	Mountain		
Route	NRC				
Selection	LICENSEE	DOE	DOE	DOE	
Route					
Selection	DOT	DOT	DOT	DOT	
Criteria					
Security					
Route	NRC	DOE	DOE	$DOE^1$	
Approval				NRC	

# Advance Notification of SNF and HLW Shipments to Native American Tribes

- The NRC issued an ANPRM in December 1999 and directed staff to develop a proposed rule in February 2001
- The NRC suspended development of a proposed rule in October 2001 following the events of 9/11
- NRC staff's development of a proposed rule remains suspended pending other efforts