


Waste Isolation Pilot Plant "Lessons learned over 4 years"

Nuclear Waste Technical Review Board
Las Vegas, Nevada
January 21, 2004

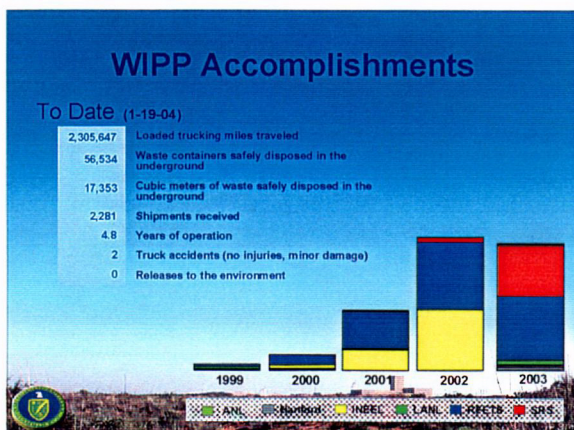
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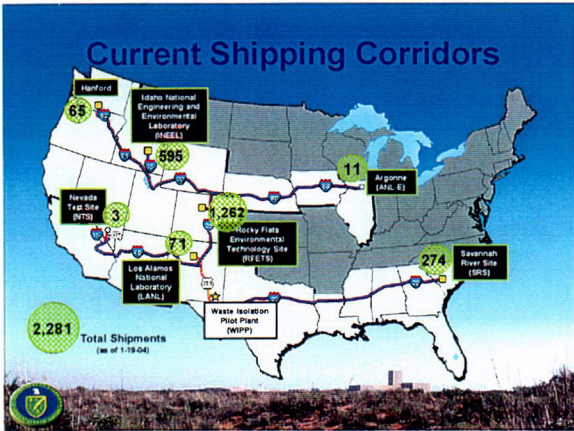


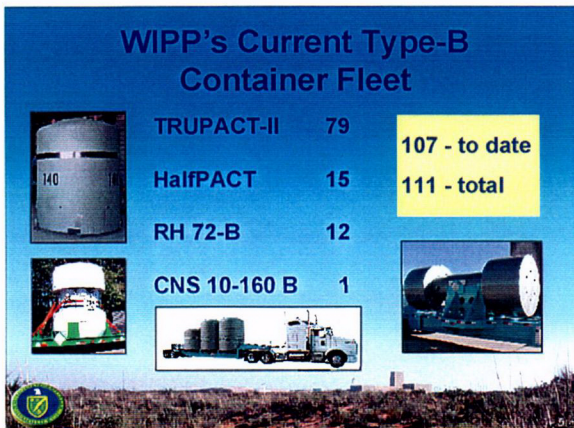
WIPP Mission

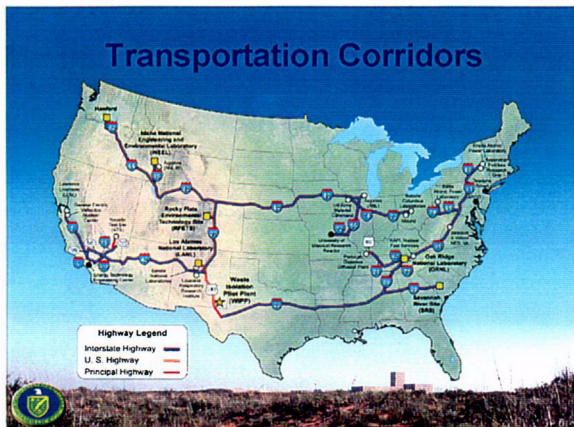
- Cleanup Country's transuranic waste sites
- Permanently dispose of 6.2 million cubic feet transuranic waste from 25+ sites
 - Approximately 19,000 truck shipments
 - World's largest type "B" container fleet











"What Works" Safety and Security

- Advance Planning and Activities
 - Excellent long-term State and Tribal relations
 - Cooperative development of safety protocols
 - Enhance inspection criteria development
 - Emergency response training and exercises
 - Public information



"What Works" -- continued Safety and Security

- Transportation
 - Cooperative development of the transportation plan
 - Treating all loaded shipments alike
 - Continuous monitoring (TRANSCOM)
 - Security enhancements to tractors
 - Tandem shipments
 - Point of origin CVSA Level VI inspections



"What Works" -- continued Safety and Security

- State Activities
 - CVSA inspections – point of origin
 - State inspectors trained in CVSA
 - Driver background checks by state police
 - Coordination of emergency response training and exercise
 - Public outreach
 - Consensus development through regional groups (WGA, SSEB, CSG-MW, and CSG-NE)



"What Works" -- continued **Safety and Security**

- **Carrier Contracts**
 - Multiple contracts
 - Dedicated drivers and equipment
 - Salaried drivers vs. paid per mile
 - Safety incentives
 - Two-person driving teams
 - Continuous monitoring of shipment by drivers
 - Strong working relationship with DOE and DOE's contractors



"Challenges" **Safety and Security**

- **Transportation**
 - Management / Responsibility of shipping schedules
 - Inconsistencies and problems at shipping sites
 - Waste availability
 - Procedures and implementation
 - Quality Assurance
 - Regulation changes, i.e. new DOT service hours
 - Impact of en route CVSA Level VI inspections
 - Security
 - Schedule
 - Public perception
 - State escorts



"Challenges" -- continued **Safety and Security**

- **Shipping containers**
 - Long lead time procurements
 - On-time delivery
- **Carrier contracts**
 - Common expiration dates
 - Fixed price contracts with no escalation clause
 - Qualified drivers

