Nuclear Plant Decommissioning and What it Means for the States

- Decommissioning Company Perspective
  Communication with Local Communities
  Early Activities to Establish Transportation Infrastructure
  Large Component Planning
  Waste Generation Strategies for Early Shipments
  Transition from Highway Shipments to Railroad Shipments
  Changing Strategy for Major Shipping Campaign
  Irradiated Hardware Removal and Part 37 Concerns
Establishment of the Community Advisory Panel (CAP)

- Purpose of the CAP
- Panel Members
- Local Community Involvement
- Meeting Frequency
Early Activities to Establish Transportation Infrastructure

Site Evaluation and Review of Available Transportation Methods

• Site Layout, Design and Development

• Expeditious Development of Plans to Allow Quick Transition to Rail Shipments

• Contact with Rail Provider for Input in Design
Large Component Planning

Early Commencement of Dismantling (Prior to Rail Service)

- Dismantling must start early to ensure timeliness of the Schedule
- Large Component Removal in preparation of Critical Path Activities
- Highway Transport Early Planning and Permitting
- Communication with the Public through the CAP
Large Component Planning
Initial Shipments of Dismantling Waste Transported via Truck

- Dismantling waste is Low Density during the initial removal of plant interferences

- Freight Containers and Cask Shipments used for Early Shipments

- Freight Containers for Radioactive Asbestos and Low Density Piping (2 containers per truck)

- Casks used to remove Legacy High Dose Rate Items
Waste Generation Strategies for Early Shipments
Installation of On-Site Rail System to Transfer to Rail Way Shipments for the majority of the Decommissioning

- Site Modification for Rail Service
- Rail Supplier Input if they will operate on-site
- Notification to TSA for Hazardous Rail Service
- Use of Larger Packaging to allow for Efficient Dismantling
- Dismantling Methods Shift to Efficient Sizing and Removal
Transition from Highway Shipments to Railroad Shipments
Transition from Highway Shipments to Railroad Shipments
Changing Strategy for Major Shipping Campaign

With Rail Service the Decommissioning will accelerate

• Utilization of Largest Packaging available

• Freight Containers continue to be utilized for Low Density materials

• Cost Efficient Transportation via Rail Service
Reactor Vessel Internals (RVI) Removal and Shipment

- If Required, Segmentation of RVI is Early Project Critical Path

- Transportation of RVI segments via Cask for Disposal

- Part 37 Concerns and communication with States and Route Planning
Irradiated Hardware Removal and Part 37 Concerns
Questions?