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**Status of the TRIGA Shipments to the INEEL from ASIA**

**Presenter**

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## **Background**

- ◆ EIS February 1996, ROD May 13, 1996
- ◆ 10 year acceptance policy, 13 years total, no extension
- ◆ SRS to receive Al based fuel (MTR), INEEL TRIGA
- ◆ 41 countries with research reactors, 19 with TRIGA
- ◆ October 1996 Asia Pre-assessment, South Korea, Thailand, and Indonesia
- ◆ First shipment South Korea and Indonesia, West Coast USA

## **Roles**

- ◆ DOE-HQ, EM - sets policy, provide overall guidance, coordinate with State Department, foreign governments, etc.
- ◆ DOE-ID - Receiving site responsibilities, including all preparations and execution of all TRIGA shipments from research reactors through storage at INEEL
- ◆ Lockheed Martin Idaho Technology Company (LMITCO) - M&O contractor for DOE-ID. Planning, preparation, coordination, and executions of all activities needed to accept, transport and store TRIGA SNF
- ◆ Nuclear Assurance Corporation (NAC) - transportation services contract for the Asian shipment

## **Foreign Research Reactor Preparations**

- ◆ Pre-assessment October 1996
- ◆ Detailed Site Assessment May 1997
- ◆ Transportation services contractor assessment September 1997

## **West Coast Transportation Preparations**

- ◆ Naval Weapons Station Concord and vicinity
- ◆ Route selection
- ◆ Interfaces with States Tribes and local communities

## **Facility Preparations at INEEL**

- ◆ Receipt at Central Facilities Area
- ◆ Receipt and storage at the Idaho Chemical Processing Plant (ICPP)
  - ◆ Facility Safety Analysis and Criticality Safety Evaluations
  - ◆ Cask and fuel handling equipment
  - ◆ Procedure preparations and dry run
  - ◆ Management Self Assessment and Ready Assessment

## **Preparations for Fuel Transport**

- ◆ Revised cask certification
  - ◆ Fuel type, material, enrichments
  - ◆ New basket
- ◆ Limited research reactor fuel and cask handling capabilities
- ◆ Cask handling interface with INEEL