

2011 Transportation Oversight Activities in North America

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Transportation Oversight

▶ In 2011 AREVA Implemented Two Significant Endeavors Related to the Non-spent Fuel Transportation Arena

- ◆ The creation of an AREVA North American Transportation Oversight organization and



- ◆ The transfer of ownership of type-B transportation packages from AREVA Fuels to Transnuclear Inc.



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▶ Creation of the AREVA North American Transportation Oversight Organization

- ◆ Transnuclear Inc. was assigned to institute a North America Transportation Oversight program similar to the program used by AREVA in Europe.
- ◆ Transnuclear Inc. dedicated resources to the establishment of the North American Transportation Oversight organization.
- ◆ The AREVA North American Transportation Oversight organization was charged with performing audits and inspections of all AREVA transportation suppliers in North America.

▶ The Transfer of Ownership of Type-B Transportation Packages from AREVA Fuels to Transnuclear Inc.

- ◆ The Transition Process moved from the Due Diligence reviews into the Acceptance Determination reviews.
- ◆ The Transition Process encompassed the transfer of over 1400 packages
- ◆ Additional resources were dedicated to the Transition process to facilitate the completion of the reviews in 2012.

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► Full Implementation of the AREVA North American Transportation Oversight Organization

- ◆ AREVA North American Transportation Oversight transitioned from a Transnuclear Inc. organization into an AREVA Corporate organization.
- ◆ AREVA North American Transportation Oversight personnel completed training for Hazardous Materials, NRC/DOT shipping regulations, and Inspection and Audit performance.
- ◆ AREVA North American Transportation Oversight performed audits on most of the over-the-road, freight forwarding and material handling suppliers servicing AREVA shipments in North America.
- ◆ 36 independent inspections were performed by AREVA North American Transportation Oversight inspectors on AREVA shipments in North America.
- ◆ AREVA North American Transportation Oversight responded to several events/situations, considered off-normal and preformed assessments of the problems which were shared with all AREVA entities in North America.



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► The Transnuclear Inc. Packaging Transition Process.

- ◆ Visual Verification were performed on all package to verify that containers were in an acceptable condition to be included in the Transition Process.
- ◆ All available documentation for the containers were collected, reviewed, cataloged, scanned and digitized as necessary to support licensing and regulatory review of the packages
- ◆ Package type that are in the Transition Process included:



MAP-12



RAJ-II



ANF-250



UX-30



SP-1, 2, & 3,



and the OP-TU

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► Results of AREVA North American Transportation Oversight Organization Activities

- ◆ AREVA North American Transportation Oversight audits identified a large gradient in the depth of Quality Assurance Programs at the various AREVA suppliers.
- ◆ AREVA North American Transportation Oversight inspections identified problems in approximately 50% of the AREVA shipments.



- ◆ AREVA North American Transportation Oversight response to off-normal events included collision of a fuel shipment with bridgework, UX-30 locking pin discrepancies, and container repair issues.

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▶ Results of Transnuclear Inc. Packaging Transition Process.

- ◆ Visual Verification identified concerns with the proper marking of packaging with tri-foil symbols, issues with the storage and handling of packaging, inconsistent use of various models of locking pins, and final fabrication inspection issues with new packages.
- ◆ Documentation reviews discovered missing documentation for packaging that was in use, inconsistencies in the implementation of inspection and maintenance practices as specified in the Safety Analysis Report requirements, and inadequate controls for the storage and handling of records.

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- ▶ **Issues Needing Clarification and Resolution by the AREVA Oversight Organization.**
 - ◆ **Consistency and reporting threshold for 10 CFR 71.95 reports.**
 - ◆ **Disposition or continued use of packaging that has an inconsistent documentation set as required by 10 CFR 71.**
 - ◆ **Responsibility of packaging owner with regard to proper handling and reporting of issues to Certificate Holder or Licensee.**
 - ◆ **Proper handling and closure of legacy issues with packaging.**
 - ◆ **Dual Certification of packaging for different users.**

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Questions?