

# Status Update NRC Tribal Liaison Program, Transportation, and Advance Notification

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# Policy and Protocol Background

- Tribal Policy Statement
  - Establishes policy for consistent NRC/Tribal interactions
- Tribal Protocol Manual
  - Internal NRC reference tool
  - Developed to foster effective Tribal interactions

# Proposed Tribal Policy Statement

## Policy Principles

The NRC Recognizes the Federal Trust Relationship and Will Uphold its Trust Relationship with Indian Tribes.

The NRC Recognizes and Is Committed to a Government-to-Government Relationship with Indian Tribes.

The NRC Will Conduct Outreach to Indian Tribes.

# Proposed Tribal Policy Statement

## Policy Principles (cont)

The NRC Will Engage in Timely Consultation.

The NRC Will Coordinate with Other Federal Agencies.

The NRC Will Encourage Participation by State-Recognized Tribes.

# Status - Tribal Policy Statement and Tribal Protocol Manual

- Published for public comment Dec 1, 2014
- Comment period ended May 31, 2015
- Staff currently developing responses and comments and preparing final Tribal Policy Statement for Commission approval

# Status - Tribal Policy Statement and Tribal Protocol Manual

- Final Tribal Policy Statement due to Commission on or before August 2016
- Revised Tribal Protocol Manual will reflect Final Tribal Policy Statement - due to Commission on or before January 2017

## Tribal Liaison Team Activities

- Five 2-day Tribal training sessions on basic health physics and the NRC role in licensing uranium recovery operations
- Participation at the National Congress of American Indians annual convention
- Outreach to Tribal Historical Preservation Officers in Wyoming and South Dakota
- Participation in the Navajo 5-year Plan outreach group
- Outreach to the National Transportation Stakeholders Forum Tribal Caucus

# Regulatory Structure

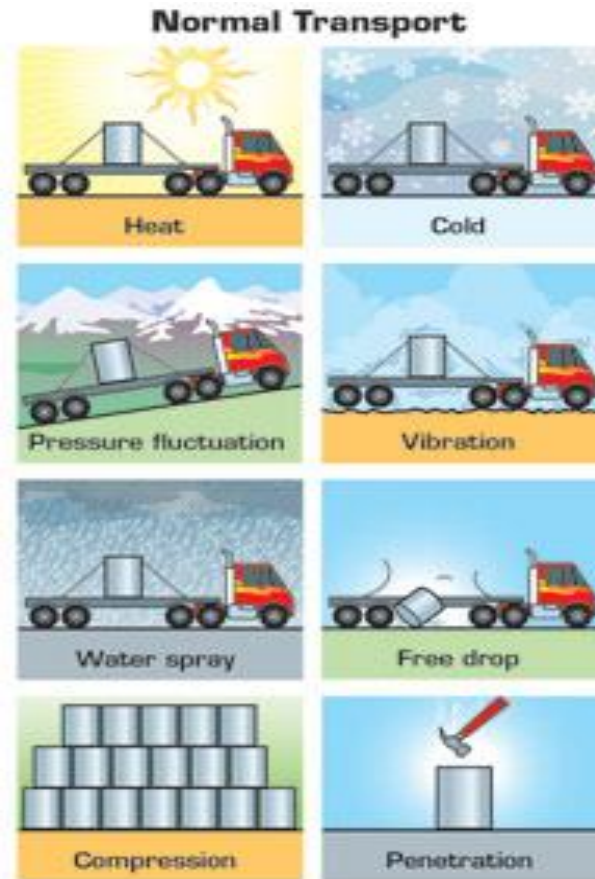
- 10 CFR part 71 – Transportation
  - Type B Fissile packaging required for transport of spent fuel
  - Subject to Normal Conditions of Transportation and Hypothetical Accident Conditions tests
    - Conditions that are typical in transportation
    - Packages are designed to be accident resistant
  - Acceptance criteria after the accident conditions tests
    - Remain subcritical
    - No escape of radioactive material exceeding a total  $A_2$  in one week
    - External dose rate may not exceed 1 rem/hr at 1 m from the external surface of the package
  - Harmonized with IAEA requirements for transportation
    - New US DOT and US NRC final rules went into effect on July 13, 2015
    - Compatible with the IAEA Safety Standard Regulations (SSR-6, 2009)





## Normal Conditions of Transport 10 CFR 71.71

1. Heat
2. Cold
3. Pressure changes
4. Vibration
5. Water spray
6. Free drop
7. Compression
8. Penetration



## Hypothetical Accident Condition Tests for Type B Packagings 10 CFR 71.73

1. Free Drop
2. Crush
3. Puncture
4. Thermal
5. Immersion - fissile package
6. Immersion - all packages



# Package-specific Requirements - Transportation

Transportation is performed in the public domain

- Subcriticality
  - Transportation regulations require analysis of multiple packages (limiting the number of packages that can be shipped together)
  - Transportation regulations require consideration of water in-leakage
- Radiation Protection
  - During transportation, the radiation limit is 10 mrem/hr at 2 meters from the outer lateral surfaces/vertical planes of the vehicle
- Temperature
  - The temperature of accessible surfaces may not exceed 185° F as prepared for transport

# Advance Notification

## 10 CFR 71.97

- Required for shipments of irradiated reactor fuel
- Made in writing to the appropriate governor or designee and Tribal official or designee
- Timeline required for coordination
  - By mail, 7 days before start of shipping window
  - By other means, 4 days before start of shipping window
- The updated list can be found at:  
<https://scp.nrc.gov/special/designee.pdf>

# Physical protection of irradiated fuel in transit

## 10 CFR 73.37

- Objectives
  - Minimize the potential for theft, diversion, or radiological sabotage
  - Facilitate the location and recovery of shipments that may have come under unauthorized control
- Physical protection system must be established
  - Pre-plan and coordinate
  - Advance notifications
  - Transportation physical protection program
  - Contingency and response procedures



# Final Steps for Tribes to Receive Advance Notification

## Three Steps

### **Identify a Tribal designee and backup**

- The Tribe will need to name a designee/backup who will receive the notifications

### **Complete Safeguards Info Training**

- 20 slides of self directed training
- Tribal designee to confirm they have read the training

### **Confirm Reservation Boundary**

- As it relates to the approved transportation route

# Final Steps for Tribes to Receive Advance Notification

## Proposed Plan

- NRC to conduct Safeguards Information training at the National Transportation Stakeholders Forum Annual Meeting in Orlando, FL during June 7-9, 2016



# Advance Notification Webinar

- Conducted October 19, 2015
- Webinar link:  
<http://ntsf.wikidot.com/webinars>



# QUESTIONS