NFST Established to Plan for Interim Storage and Transportation

Mission
- Lay the groundwork for implementing interim storage, including associated transportation, per the Administration's Strategy for the Management and Disposal of Used Nuclear Fuel and High-Level Radioactive Waste, and develop a foundation for a new nuclear waste management organization

Purpose
- Make progress on this important national issue
- Build foundation that could be transferred to a new waste management disposal organization (MDO)

Activities
- Build upon BRC recommendations
- Lay ground work for implementing the Strategy
- Align with existing Nuclear Waste Policy Act authorities
Congressional Activity

- Legislation will be needed to implement key parts of the Administration’s Strategy
- Senators Wyden, Murkowski, Feinstein, and Alexander introduced comprehensive, bipartisan nuclear waste legislation drawing from the Blue Ribbon Commission report
- Nuclear Waste Administration Act of 2013 (S. 1240) would:
  - Establish a siting process for storage and repository facilities that relies on consent agreements and Congressional ratification
  - Establish a new organization – Nuclear Waste Administration – run by a single Administrator and overseen by an Oversight Board
  - Address funding reform by creating a new Working Capital Fund in which fees are deposited and are available as needed

FY 2014 Budget

- Complete an analysis for initial used fuel shipments from shutdown reactor sites
- Continue the evaluation of standardized containers for storage, transportation, and potentially disposal
- Continue to work cooperatively with the state regional groups and tribes on transportation issues
- Update the National Transportation Plan to address initial shipments from shutdown reactors
- Continue the conceptual design for a generic storage facility and supporting transportation system
FY 2015 Congressional Budget Request

- Prepare for large-scale transportation of UNF and high-level radioactive waste to a pilot interim storage facility with focus on UNF at shutdown reactor sites
- Engage with State Regional Groups, tribes and other stakeholders:
  - Revise National Transportation Plan
  - Prepare to implement the Nuclear Waste Policy Act Section 180(c) pilot program
  - Refine routing studies
- Initiate efforts to develop railcars per Association of American Railroads Standard S-2043
- Initiate efforts according to hardware acquisition strategy and address recommendations from the 2006 National Academy of Sciences Going the Distance study

Stakeholder Tool for Assessing Radioactive Transportation (START)

Live demos of START being shown in NTSF exhibit area.
Topics for NTSF
May 13 Working Group Meetings

- **Working Group Meetings**
  - Draft National Transportation Plan
    - Sent to Core Group representatives in April
    - NTSF Working Group Discussion and Feedback
    - Discussion of route planning
    - Demonstrate START and its role in routing
  - NWPA section 180(c)
    - Hear feedback from Interregional Team on 10 previously identified issues
    - Discuss designing a 180(c) table top exercise
    - Discussion of route planning
    - Demonstrate START and its role in routing

Topics for NTSF
May 15 Plenary Session

- **Plenary Session on Planning to Ship Spent fuel**
  - Overview of the NFST project
  - Discussion of current shutdown sites activities
  - Railcar development and other hardware needs, and development of analytical tools to support transport
  - Summary of discussions
    - National Transportation Plan
    - 180(c) policy
    - Preliminary routing activities
    - Feedback from stakeholders for Working Group meetings
NRC Order Resuming Yucca Mountain Licensing Process

- NRC issued order resuming licensing process consistent with U.S. Court of Appeals mandamus decision. The order directed the NRC staff, among other things, to complete the Safety Evaluation Report.
- The NRC order also requested DOE to:
  - Prepare a groundwater supplement to the Environmental Impact Statement (EIS) that the staff has determined is needed for purposes of its review of the application under the National Environmental Policy Act.
  - Provide NRC staff with reference documents it requests.
  - Provide any information or support requested by NRC to facilitate timely completion of the Yucca Mountain Safety Evaluation Report.
- DOE will provide updated technical analysis using Nuclear Waste Fund carryover balances, subject to availability of funds.

Response to US Court of Appeals Nuclear Waste Fee

- November 19, 2013 - the U.S. Court of Appeals for the District of Columbia issued a decision ordering the Secretary “to submit to Congress a proposal to change the fee to zero until such a time as either the Secretary chooses to comply with the Act as it is currently written, or until Congress enacts an alternative waste management plan”.
- January 3, 2014 - Consistent with the mandate, the Department of Energy submitted a proposal to Congress to adjust the current fee to zero.
To Implement the **Strategy**, Legislation is Needed That Would:

- Permit construction of an ISF before repository construction license by NRC
- Create the Management and Disposal Organization (MDO)
- Permit new siting studies for a repository
- Allow funding changes for timely implementation by the MDO

DOE will lay the ground work within existing authority until legislation is enacted