Accelerate TRU Waste Cleanup in New Mexico

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CBFO Proposal for Nationwide Disposal Acceleration
(Total Program Accelerated Schedule vs. Current Schedule)
New Mexico Crosscut

- LANL is a priority for WIPP
- Resources available to NMED for WIPP acceleration

SNL

LRRI

LANL

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Accelerating Cleanup and Closure of EM Sites
Three Options

- Accelerate all TRU waste shipments in New Mexico
  - Transportation regulatory relief
  - 1,300 shipments

- Accelerate the 2,000 high-activity drums
  - Transportation regulatory relief
  - 3,000 shipments

- Repackage all high-activity TRU waste
  - No regulatory relief
  - 4,300 shipments
New Mexico Crosscut for Accelerated Legacy TRU Waste Disposal
(TRU Waste at LRRI and SNL Consolidated at LANL)

- CBFO seeks and receives regulatory relief for accelerated shipment of 2000 high activity drums
- Represents 60% of activity at LANL
- Remaining waste repackaged with associated volume increase to 32,400 m$^3$
- 3,000 total shipments
- Completion in FY2025

- Current transportation restrictions
- Significant repackaging
- Significant volume expansion to 46,000 m$^3$
- 4,300 total shipments
- Completion in FY2030

- CBFO seeks and receives regulatory relief for accelerated shipment of most waste; Small expansion from 9,100 to approx. 11,700 m$^3$ to accommodate extremely high-wattage waste
- Mobile Modular Systems support (CBFO proposal)
- 1,300 total shipments
- Completion in FY2010

Accelerate the 2,000 high-activity drums
Repackage all high-activity waste
Accelerate TRU waste shipments in New Mexico; Minimal repackaging
Benefits of An Accelerated Approach

- A regulatory-compliant approach that does not intensify effort by NMED

- Accelerated risk reduction for the state by de-inventorying LANL 20 years early completing shipments by FY 2010

- Minimizing transportation risk
  - 1,300 shipments vs 4,300

- Additional transportation efficiencies could reduce shipments even further
LANL Line plus 2 CCP lines

LANL
11,700 m³

SNL
28.5 m³

LRRI
0.3 m³

68 containers
Most require repackaging

26 drums from LRRI probably shippable without repackaging

1 drum
Ship to LANL

Inventory

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