



U.S. DEPARTMENT OF
ENERGY

Savannah River Site

Citizens Advisory Board Nuclear Materials (NM) Committee Meeting

Depleted Uranium Oxide (DUO) Project Update

Presentation By

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Purpose: Provide DUO Disposition Project Status

- Review
- Status
- Options
- Summary



Review

- The nuclear weapons program left SRS with large inventories of DUO.
- Originally ~35,800 drums DUO packaged in 55-gallon, carbon steel drums, including several thousand over packed in 85-gallon drums.
- Four successful disposal campaigns between FY03 and early FY09.
- Currently final campaign is under way to dispose of the last 15,606 drums using American Reinvestment Recovery Act (ARRA) funds.



Status

- Made 1st rail shipment (5,408 drums) 52-Rail Cars to disposal site in Clive, Utah.
- Currently have 56 loaded rail cars (5,776 drums) onsite.
- Approximately 3,616 drums remain to be loaded into rail cars.
- 805 drums have been loaded into ISO Freight Containers and are ready to be shipped to ORNL. (1 Drum has already been shipped)
- Future shipments to disposal site are on hold pending resolution of Utah's regulatory issues. (ongoing)
- State of Utah challenged the DUO characterization. Samples were collected and analyzed from 1st shipment. Results confirmed the DUO meets legal requirements for disposal.
- Department has been responsive to State of Utah questions regarding waste characterization.



Options

- Department is in the process of completing a review of options.
 - Maintain remaining material at SRS until approval to dispose of as waste

(ROM Cost Range: \$2 - \$4M)

- Store material offsite until approval to dispose of as waste

(ROM Cost: \$10M - \$20M)

Corrected slide as of 6/11/10



Summary and Path Forward

- Continue preparing drums for shipment.
- Continue evaluation of storage options.

