



What's Happening in EM?

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Cleanup and waste disposition continue. . .

- Continuing progress toward site closures
 - Disposition of “orphan” or special waste streams are some of the remaining obstacles to closure
 - Working with sites to develop comprehensive lists of these streams and to identify needed treatment and disposal options
 - Identification of disposal facility – commercial or Federal
- Ability to continue to accelerate cleanup is directly dependent on the ability to ship and dispose of waste safely



Current DOE/EM Waste Management Policy

- LLW and MLLW:
 - If practical, disposal at generation site
 - If on-site disposal not available, then disposal at another DOE disposal facility
 - At commercial disposal facilities if compliant, cost effective, and in the best interest of the Department
- TRU waste:
 - If defense-generated, disposed at Waste Isolation Pilot Plant, Carlsbad, New Mexico
 - If non-defense, safe storage awaiting future disposition
- HLW and SNF
 - Stabilization, if necessary, and safe storage until geologic disposal is available



DOE's Waste Management Assets

- Multiple onsite disposal cells (mostly CERCLA) for site-specific remediation wastes
- Two regional LLW/MLLW disposal facilities – Hanford and Nevada Test Site (NTS)
 - *Hanford currently limited to onsite LLW and MLLW*
 - *NTS currently limited to regional LLW operations; regional MLLW disposal operations to begin in FY 2006*
- National repository for defense-generated TRU waste – WIPP (Carlsbad, NM)
- TSCA Incinerator (Oak Ridge, TN)
- However, EM also disposes of large volumes of LLW and MLLW at commercial facilities



Disposition Accomplishments in FY 2005

- Significantly increased volumes disposed while reducing transportation incident rate
- Worked off vast majority of stored legacy waste
- Completed TRU waste and MLLW shipments from Rocky Flats
- Completed TRU waste shipments from Mound (to SRS)
- Resolved large quantities of “orphan wastes” at closure sites
- Identified commercial receiver sites for Fernald Silo residues



Shipments continue. . .

- Thru July 2005, completed ~18,000 shipments
- Number of incidents is down from last fiscal year
 - FY 2004 – 23 incidents
 - FY 2005 (so far) – 15 incidents
- No “major” incidents in FY 2005



FY 2005 Transportation Incidents

- To date, there have been 15 transportation incidents
- No release of material from package
- No contamination
- HQ review of each incident
- We will conduct a management review of all incidents in October 2005





FY 2005 Incidents

- **SR -- Drum Shift During Transport to NTS**
- **RF --**
 - Incorrect Standard Waste Box Shipped
 - Wrong Trailer transported to Envirocare
- **BNL – Water Leaking from Railcar**
- **WIPP –**
 - Transporter (from RL) side swiped in CO
 - Transporter hit deer in Utah
 - Transporter hit deer in NM
 - SR WIPP shipment struck from behind
- **ID – Lab Sample Above Facility Receipt Permit**
- **PORTS –**
 - Exposed Burrito Bag
 - Discrepancy on Shipping Paper
- **Mound –**
 - Minor breach of railcar liner
 - Collision with POV in AZ
- **OR – Punctured intermodal waste container**
- **OH – Fernald Silo 3 shipment side swiped**



Shipping Activities

Taken in Oklahoma at the I-40/I-44 interchange



Check out the tie-downs



Rocky Flats Status

- All buildings and structures removed in 2005
- ~150 railcars to be shipped
- ~ 50 truck shipments remain
- There will be ~10 shipments in FY 2006





Fernald Silo 3

- Silo 3 shipments to Envirocare
 - 140 shipments completed
 - ~175-200 shipments total
 - Complete by end of CY





Fernald Silo 1 & 2

- **Silo 1 & 2 shipments to WCS**
 - 245 shipments completed
 - ~2000-2200 shipments total
 - Shipments will continue into CY 2006



OR Shipping Activities

- **DUF6**
 - Completed shipment of 4396 cylinders (2520 in FY 2005)
 - ~5951 cylinders total
- **Haul Road**
 - Scheduled to be completed in 2/06
 - Will significantly reduce commercial shipments





TRU Shipment Update

- Completed over 3,911 truck shipments from 8 sites to WIPP
- 11 small quantity sites completed
- Picture shows the last TRU shipment from RF – April 2005





Program Updates -TRU Waste

- Mound rail shipments completed 8/2005
- INL TRU shipments:
 - ~11+ shipments per week, expect to increase
- NTS expected to complete TRU shipments by end of calendar year 2005
- SRS -- 2 to 4 shipments per week
- Hanford shipping 3 to 4 shipments per week
- LANL resumed shipments in April 2005 and is currently making 2 to 3 shipments per week
- RFP for WIPP transportation services expected to be issued in September 2005



RL Shipping Activities

- Makes 2-3 shipments per week to Pacific EcoSolutions
 - Material goes to PEcoS for treatment
 - Onsite disposal at Hanford
- Awaiting record of decision on SNM



West Valley Shipping

- Currently shipping LLW to:
 - Envirocare by rail and highway
 - NTS by highway



Savannah River Shipping

- LLW & MLLW to Envirocare & NTS
- TRU shipments to WIPP
- Neptunium (for NASA space programs) to INL





Brookhaven National Laboratory

- LLW shipments by rail to Envirocare completed for this FY – will resume in 2007
- Recently completed 2 Type B shipments of RAM to LANL.
 - Included three 55-gallon drums containing activated metals and sources





Mound Status

- Closure on track for 2006
- Completed the TRU shipments to SRS
- Continue shipments to Envirocare & NTS





Columbus Status

- Waste shipments will continue into FY 2006
 - Envirocare
 - NTS
 - Oak Ridge
- Supplement Analysis for Transportation prepared for TRU Waste
 - Comment period open until 10/11/05





Paducah & Portsmouth

- Paducah resumed shipping to NTS
- Shipments to Envirocare continue
- Portsmouth continues shipments to NTS





DOE Sites Help New Orleans

- 2 truckloads of liftliners, liftliner fixtures, loading frames, and light generator shipped to the Army Corps of Engineers at New Orleans.
- Joint venture with KH and DOE supplying the equipment and trailers, TriState provided the Tractors and drivers.
- Bags will be used as 20,000 sandbags
 - 450 bags sent from SR;
 - 600 bags from OR



Questions

