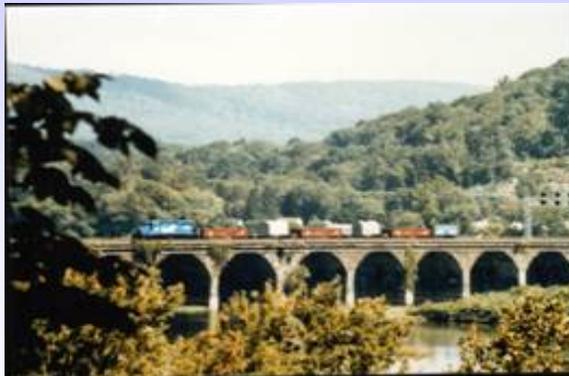


Safely Moving 20,000 RAM Shipments a Year!!!

Ella McNeil

Office of Transportation, EM-11

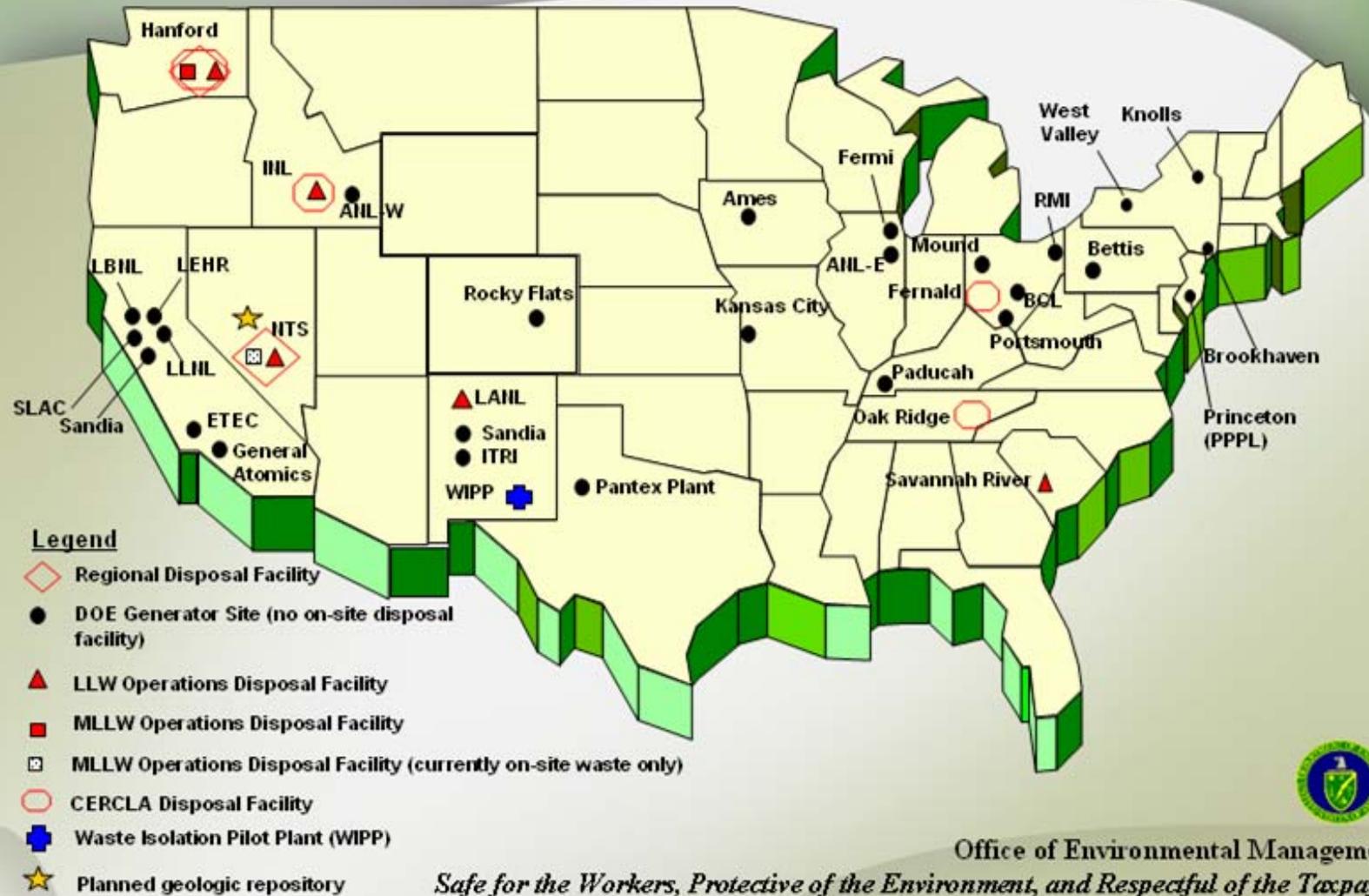
Office of Environmental Management



Cleanup and waste disposition continue. . .

- Continuing progress toward site closures
- Scope includes remediation and processing of approximately:
 - 25 tons of plutonium
 - 108 tons of plutonium residues
 - 88 million gallons of radioactive liquid waste
 - 2,500 tons of spent nuclear fuel
 - 137,000 cubic meters of transuranic waste
 - 1.3 million cubic meters of low-level waste
 - 324 nuclear facilities, 3,300 industrial facilities, hundreds of radiological facilities

Waste Disposal Configuration



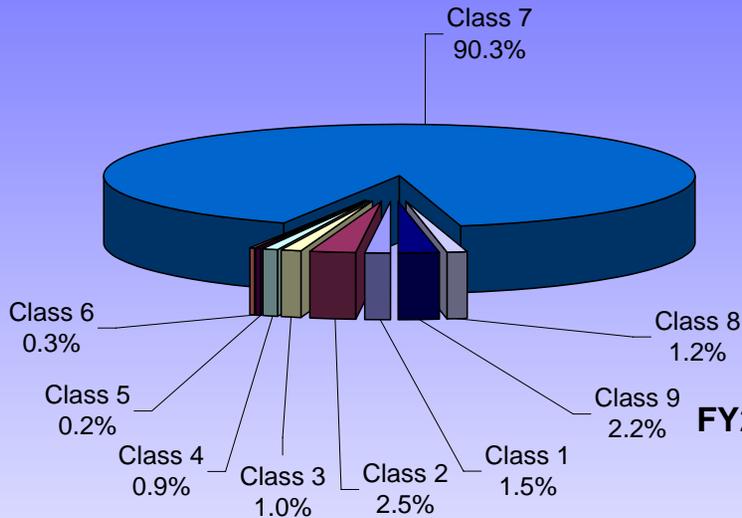
Office of Environmental Management

Safe for the Workers, Protective of the Environment, and Respectful of the Taxpayer

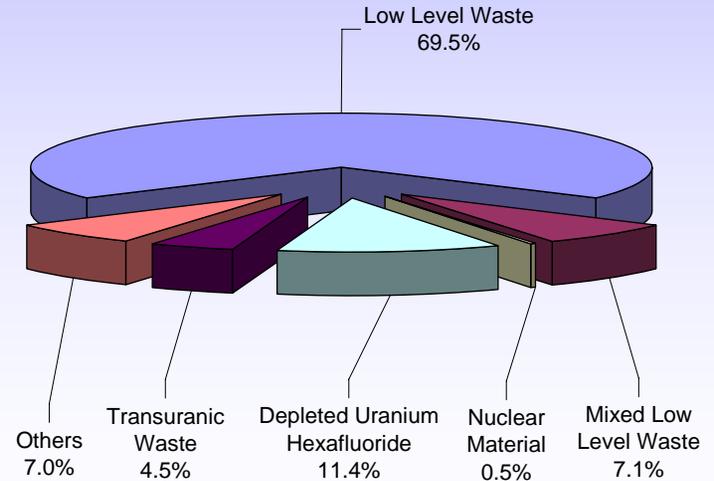


What do we ship?

FY2004 DOE Hazardous Material Shipments



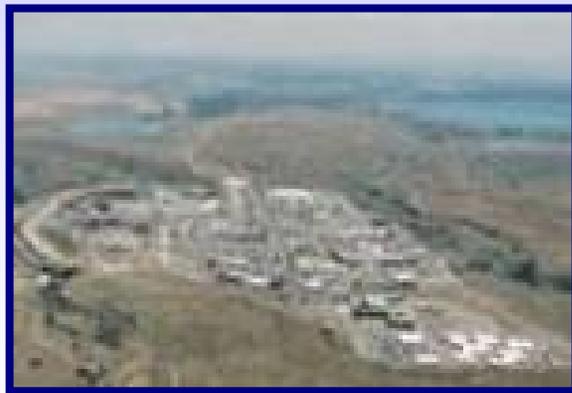
FY2004 DOE Radioactive Material Shipments





Rocky Flats--Complete!

- All buildings and structures removed in 2005
- All shipments completed; physical completion at the site declared
- In 2-3 years significant portion of the site will be turned over to the Department of Interior to be used as a wildlife refuge.





Fernald Closure Project

- **Silo 3 shipments to Envirocare Completed**
 - 285 shipments
- **Silo 1 & 2 shipments to WCS**
 - 1846 shipments completed
- **~ 22 Rail shipments to Envirocare**
 - 60 car unit trains
- **FCP scheduled for completion in June 2006**



OR Shipping Activities

- **DUF6**
 - Completed shipment of 4844 cylinders
 - ~1108 remaining
- **Haul Road**
 - Now open
 - Reduces the number of large trucks traveling through a small community
 - Equivalent safety to DOT requirements (Transportation Safety Document)



TRU Waste Shipments By Site



4,529

Total shipments
as of 04/24/06





Shipping Activities at Other Sites

- Richland, Washington
 - Makes 2-3 shipments per week to Pacific EcoSolutions for treatment
 - Onsite disposal at Hanford
- West Valley, NY;
Savannah River, SC;
Paducah & Portsmouth shipping LLW & MLLW to:
 - Envirocare by rail and highway
 - NTS by highway



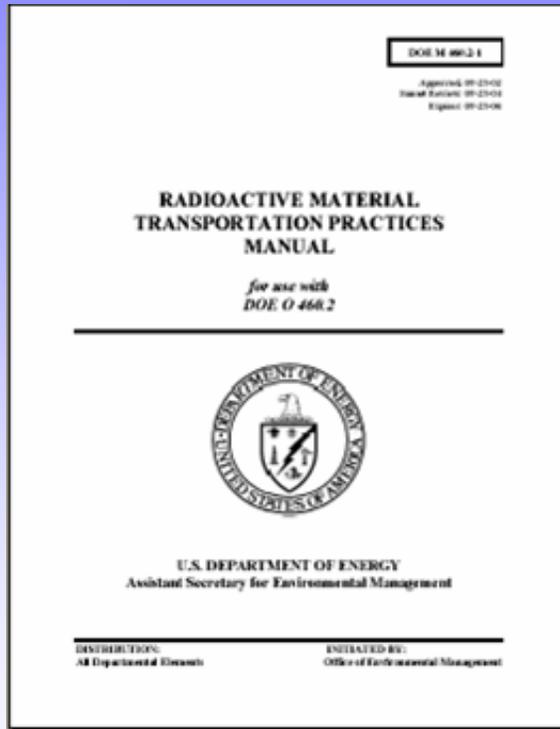


DOE Sites Help New Orleans

- 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 lb. sandbags
 - 450 bags sent from SR;
 - 600 bags from OR



Managing the Shipments



- DOE Manual 460.2-1, *Radioactive Material Transportation Practices Manual*, provides the steps to be followed for radioactive material/waste shipments
 - Provides a framework for transportation planning, communication, etc.

How can responders prepare for the shipments?

- 44 CFR 351.1 assigns Federal Agency responsibilities for assisting State and local governments in emergency planning and preparedness for radiological/nuclear emergencies.



DOE Implemented the Transportation Emergency Preparedness Program (TEPP)



TEPP's Mission

*TEPP will assist Department of Energy (DOE)
and other federal, state, tribal and local
authorities to prepare for response to
a transportation incident involving
DOE shipments of radioactive
material.*





TEPP Training

- In FY 2005, 3,210 responders were trained using MERRTT
- 1,010 participated in DOE-sponsored training sessions
- 2,200 participated in state or local level-sponsored training sessions
- 378 received continuing education hours (CEH)



DOE and Other Agency Projects

- Continue to work with FRPCC
 - Transportation and Exercise Subcommittee
 - Provide standards for training for radiological and nuclear emergencies
 - Integrate TEPP with DHS
- National Fire Protection Association
 - Participate in the review and revision of NFPA Standards 471, 472, 473 and Handbook on Hazardous Materials

DOE and Other Agency Projects

- Assisting FEMA in revision of the existing G-346 Hospital Training Program
- Working with Department of Homeland Security and Office of Domestic Preparedness to identify planning and training overlaps in radiological response and planning preparedness



DHS/ODP Approval of MERRTT



In early 2005, MERRTT material was submitted to DHS for review and approval

On March 2, 2005

“The course. . .has been reviewed and accepted into the listing of federal courses available for State Administrative Agencies to employ consistent with state strategies.”

FEMA Independent Study

- Submitted selected MERRTT modules to FEMA, Emergency Management Institute's (EMI) Independent Study Program for creation of an online radiological refresher program
- MERRTT refresher is now available online as Independent Study Course IS-302
 - 1703 individuals completed the online course and completed the exam

