



Update on DOE Packaging and Transportation Activities

by

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DOE's Waste Management Priorities

- Continue to manage waste inventories in a safe and compliant manner.
- Address high risk waste in a cost-effective manner.
- Maintain and optimize current disposal capability for future generations.
- Develop future disposal capacity in a complex environment.
- Promote the development of treatment and disposal alternatives in the commercial sector.
- Review current policies and directives and provide needed oversight.

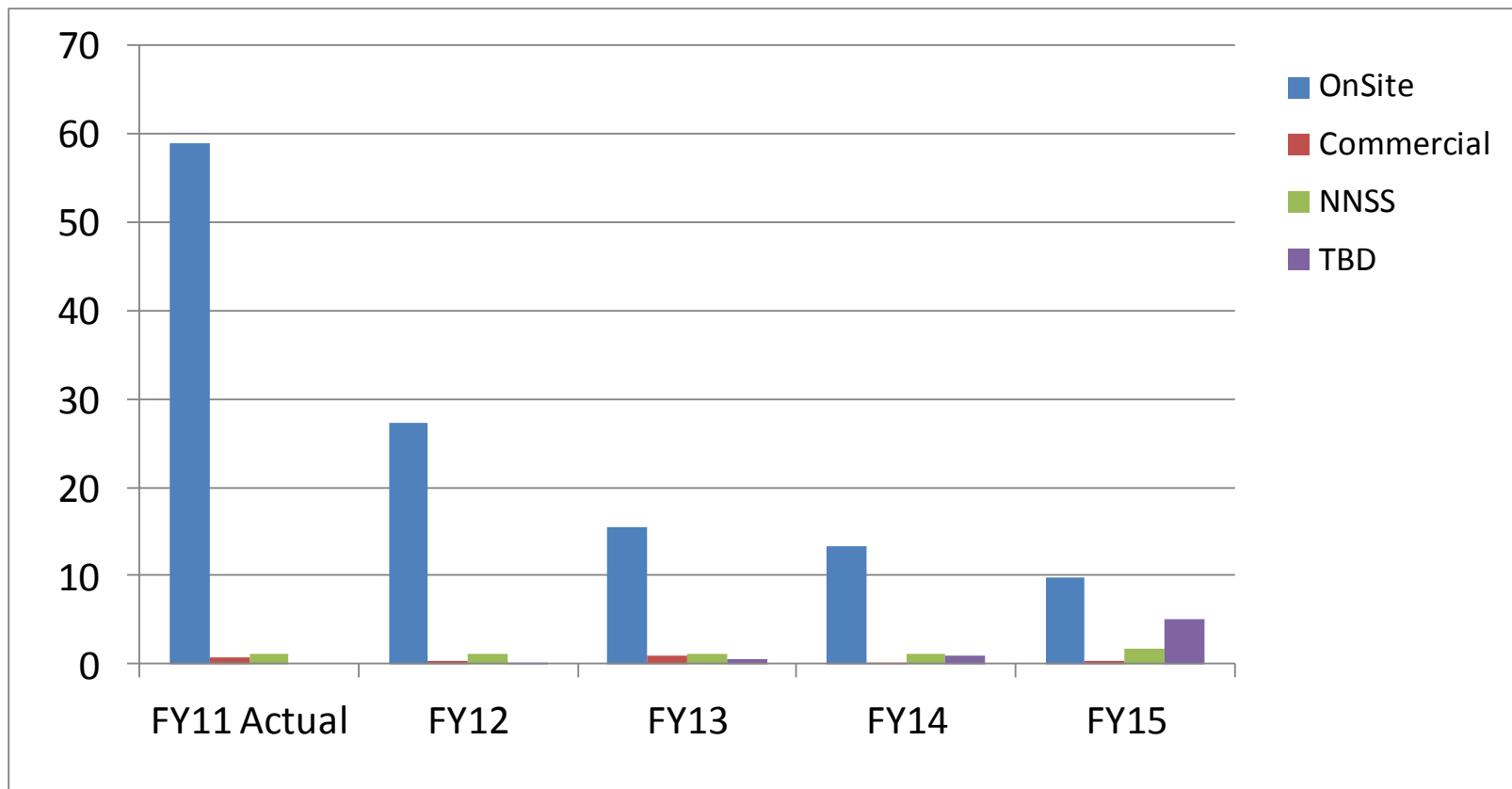


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safety ❖ performance ❖ cleanup ❖ closure

LLW/MLLW Forecast Trends

(millions of cubic feet)



Source: 2012 WIMS Preliminary Data



Office of Packaging & Transportation

Packaging Certification

- Certificates of Compliance
- DOE Exemptions
- DOT Special Permits
- Quality Assurance
- RAMPAC

Emergency Preparedness & Outreach

- TEPP
- NTSF
- State Regional Groups
- Tribes
- Prospective Shipment Report
- Fact Sheets

Regulations & Standards Support

- Domestic Federal Agencies
- International Community
- Nongovernmental Organizations
- DOE Orders, Policy, Guidance

Transportation Risk Reduction

- Motor Carrier Evaluations
- Physical Protection
- Transportation Compliance Reviews
- Safety Metrics

Program & Site Support

- DOE/Contractor Interfaces
 - TMC
 - PMC
 - EFCOG
- Tender Negotiations
- Automated Systems



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Packaging Support to Field Sites

Packaging Certification

- Department-wide program that provides for the certification of fissile and Type B packagings.
 - provides guidance for preparing Safety Analysis Reports for Packaging,
 - reviews and approves packaging designs,
 - Issues DOE Certificates of Compliance
 - reviews and recertifying Certificates of Compliance
 - curtail and/or suspend the use of specific packages, when warranted; and
 - review and approve quality assurance programs for Type B and fissile materials radioactive materials packagings.
- Radioactive Material Packaging (RAMPAC), the all-in-one source for information on shipping containers for radioactive materials (<http://rampac.energy.gov/>)



Emergency Preparedness & Outreach

Emergency Preparedness

- TRANSCAER, commodity flow surveys, etc.
- Transportation Emergency Preparedness Program: Department-wide program provides the tools for planning, training and exercises, and technical assistance to assist State and Tribal authorities in preparing for response to a radiological transportation incident.

Outreach

- Provides forums for information sharing, collaboration, and coordination with state and tribal governments, other federal agencies, and the DOE complex on packaging and transportation issues.
- Serves as the liaison with program offices, site operations, and impacted states and tribes along transportation corridors



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Policy, Guidance, and Direction

Regulations and Standards

- Department-wide responsibility for three transportation Orders
 - DOE O 460.1C: *Packaging and Transportation Safety*
 - DOE O 460.2A: *Departmental Materials Transportation and Packaging Management*
 - DOE M 460.2-1A: *Radioactive Material Transportation Practices Manual*
- Developing a new Order, 460.3: *Physical Protection of Unclassified Irradiated Fuel in Transit*



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Ensuring Transportation Safety Is Part of Doing Business

Transportation Risk Reduction

- Motor Carrier Evaluation Program
 - Since 1989, MCEP has played a vital role in maintaining DOE's excellent transportation safety record.
 - Provides a framework for selection of responsible, effective, and efficient motor carriers.
- Transportation Safety and Operations Compliance Assurance Program (TCAP)
 - A systematic approach for evaluating and improving packaging and transportation regulatory and DOE policy compliance.
 - Ensures that all packaging and transportation operations across the DOE complex are fully compliant with all applicable international, federal, state, tribal, and local laws, rules, and regulations.



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Providing Tools and Assistance

Program and Site Support

- Internal Packaging and Transportation Working Groups
 - Transportation Management Council
 - Packaging Management Council
 - Energy Facility Contractors Group
- National Tender Negotiations to get best costs for DOE
- Automated Tools
 - TRAGIS
 - RADTRAN
 - Automated Transportation Management System



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In conclusion. . . .

- As EM continues its cleanup mission, packaging and transportation are important cross-cutting support functions
 - You know it is working when we have no incidents
 - We need to ensure we have a strong program to ensure compliance and safety



*K-25 East Wing
Demolition at Oak
Ridge, TN*

