
Environmental Management Advisory Board Public Meeting

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Assistant Secretary for Environmental Management

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Washington, D.C.



EM *Environmental Management*

safety ❖ performance ❖ cleanup ❖ closure

www.em.doe.gov

With your support and advice, EM manages the largest environmental cleanup program in the world



34,000 Workers



Some of the most dangerous substances known to humanity



80+ million gallons of liquid radioactive waste.



4,500 facilities to cleanup/demolish

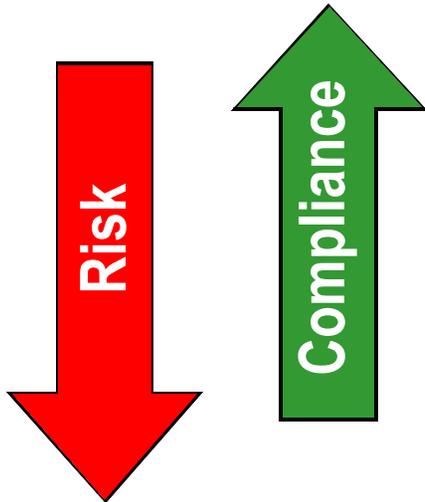


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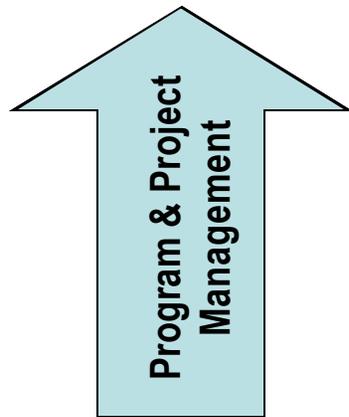
Our priorities . . .

#1 Priority:
Safety



Reduce risk while maximizing regulatory compliance

- Treat **radioactive liquid waste**
- Consolidate and disposition **nuclear materials** – plutonium, uranium, and **spent nuclear fuel**
- Dispose of **transuranic and low-level waste**
- Clean up contaminated **soil and groundwater**
- Decontaminate and decommission **unneeded facilities**



Strengthen program and project management

- Implement **National Academy of Public Administration** recommendations
- Independently verify **project baselines** – scope, cost, schedules
- Strive for “**Best in Class**” capability
- Implement a more effective **procurement process**
- Develop and deploy needed **technologies**
- Focus on **project execution**



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We are making significant cleanup progress...

Tank Waste Processing:

- Grout and close seven underground tanks at Idaho in FY08
- Continue construction of the Sodium Bearing Waste Treatment Facility at Idaho and the Salt Waste Processing Facility at Savannah River through FY09



Disposition of Legacy Waste:

- Complete all shipment of high activity transuranic waste from Los Alamos to WIPP in FY08
- Begin shipping remote/contact handled transuranic waste from Oak Ridge to WIPP in FY08
- Complete shipment of all EM remote handled transuranic waste at Idaho to WIPP in FY08
- Complete shipment of transuranic legacy drums at Savannah River to WIPP in FY09
- Complete disposition of legacy low-level, mixed low-level and PCB waste at Paducah in FY09



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We are making significant cleanup progress...

Consolidation and Disposition of Surplus Plutonium, Spent Nuclear Fuel, and Uranium:

- Complete K-West sludge containerization at Hanford in FY08
- Begin disposition of surplus non-pit plutonium at Savannah River in FY08
- Complete consolidation of Hanford plutonium at Savannah River in FY09
- Complete all wet to dry spent fuel transfers at Idaho by the end of FY09
- Complete construction and start operations of the Depleted Uranium Hexafluoride (DUF6) Conversion Facilities at Portsmouth and Paducah by the end of FY09
- Finalize the design for uranium-233 blend down equipment and initiate Building 3019 modifications at Oak Ridge by the end of FY09



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We are making significant cleanup progress...

Soil and Groundwater Remediation and Decontamination and Decommissioning:

- Complete decontamination and decommissioning of Test Area North at Idaho in FY08
- Complete demolition of K-East basin at Hanford in FY08
- Begin operations of enhanced groundwater remediation for hexavalent chromium at Hanford in FY09
- Demolish the west wing of the K-25 processing facility in Oak Ridge in FY09
- Complete cleanup at more than 50 contaminated soil and “industrial release” sites associated with former Nevada Test Site operations in FY09



Site Cleanup Completions:

- Complete cleanup of four sites in FY08 and two more in FY09

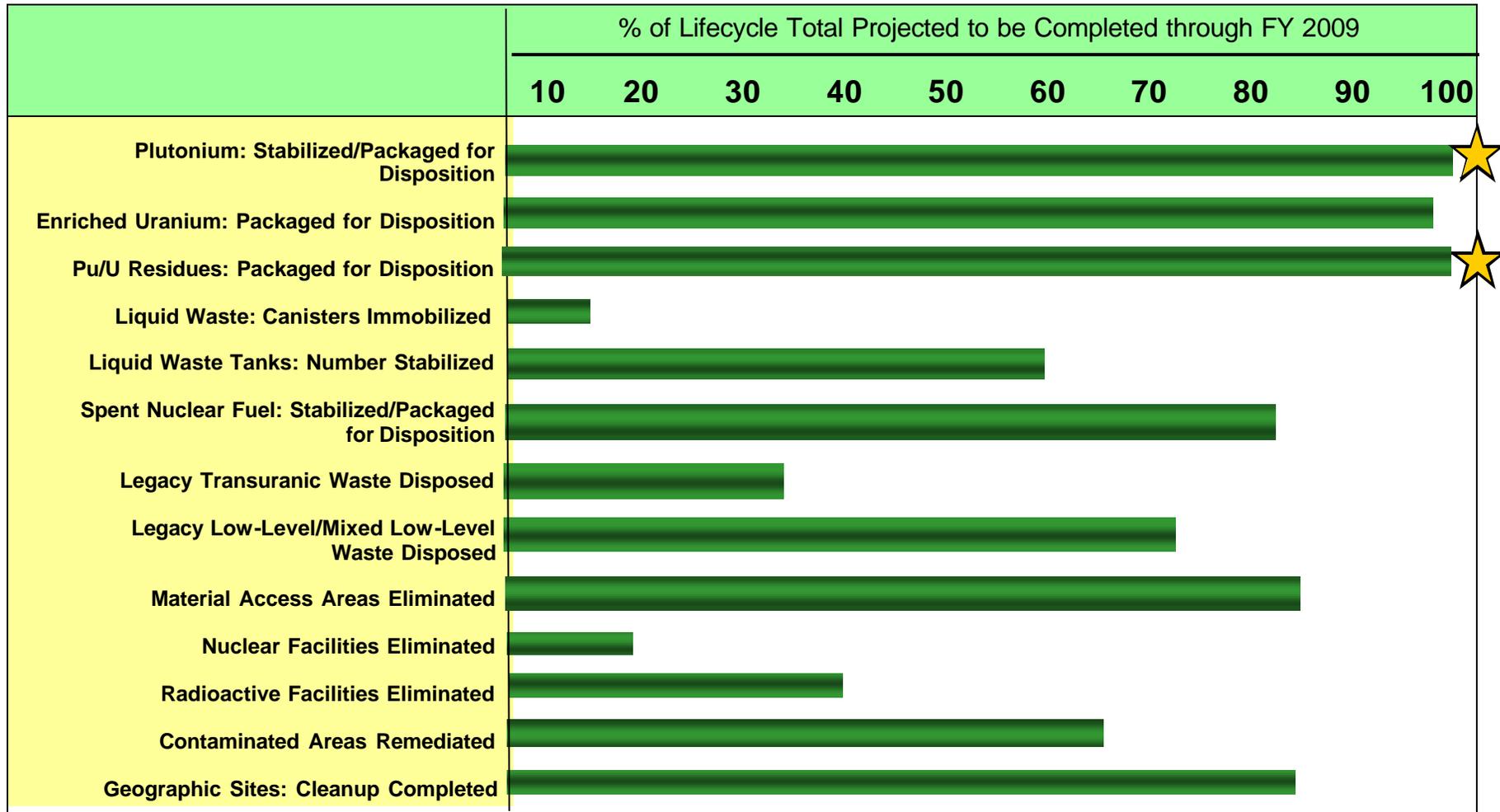


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Bringing us closer to our destination . . .



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 **Completed**

Issues to be resolved . . .

Regulatory Compliance

The Administration recognizes EM's FY 2009 budget request would not enable the Department to meet some of the milestones contained in agreements that have been negotiated with regulators over many years.

Milestones

Incomplete knowledge of complexity, inconsistent performance, overly optimistic assumptions, and emerging technical barriers have been impediments.

Tools for Resolution

Independently audited cost and schedule baselines, life-cycle planning estimates, and "analytical building blocks" will provide a basis for conducting credible and defensible analyses.

Path to Resolution

Using these tools, we will engage in meaningful dialogue with regulators, stakeholders, and Tribal Nations to assess existing priorities and mutually identify opportunities to complete cleanup.



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What EM delivers . . .

Safety

Ensures safe and secure conditions for all planned operations.

Risk *Prioritization*

Fully funds our most costly and high-risk projects.

Risk *Reduction*

Incorporates soil/groundwater and decontamination and decommissioning and remediation.

Waste Disposal Progress

Continues progress to process and dispose of waste.

Key Departmental Missions

Supports special nuclear material processing and disposition.



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FY 2008 EMAB Topics

1. Communications

2. EM Strategic Planning

3. Acquisition and Project Management

4. Management Analysis and Strategic Vision-Casting

5. Quality Assurance

6. Human Capital Initiatives



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