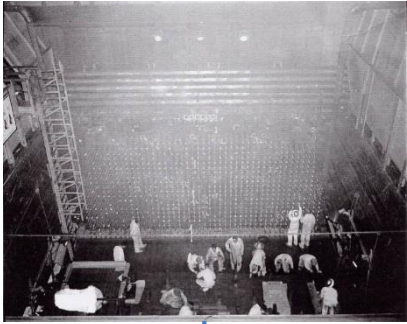




U.S. DEPARTMENT OF
ENERGY

Deputy Under Secretary for
Management and Performance

David M. Klaus



1944 –
plutonium
production
begun

1977 - DOE
established



1989 - EM
Established

2000's – Rocky
Flatts, Weldon
Spring, Mound,
Fernald cleanup
completed



Secretary
Moniz

2075 - estimated
Hanford Site
completion date

1942 -
Manhattan
Project begun

1954 – Idaho Site
starts receiving
TRU Waste

1991 - End of
weapons
materials
production



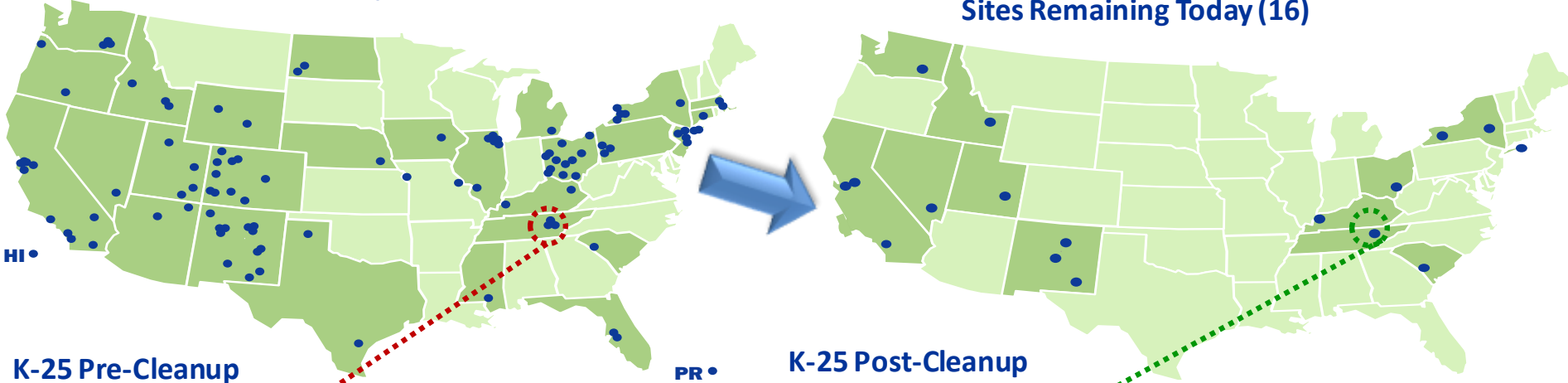
Where We Started

- 107 sites
- 1,000 metric tons of weapons-grade uranium
- 100 metric tons of plutonium
- Tens of thousands of nuclear warheads
- 90 million gallons of liquid waste
- 5,000 contaminated facilities
- 700,000 tons of depleted uranium
- Millions of cubic meters of contaminated soil
- Billions of gallons of contaminated groundwater

Where We Are Today

AK • EM Historical Cleanup Sites (107)

Sites Remaining Today (16)



K-25 Pre-Cleanup



PR •

K-25 Post-Cleanup



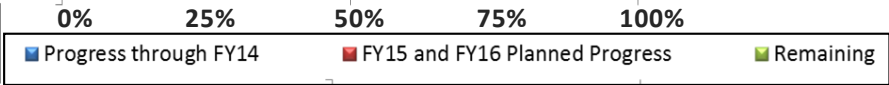
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Completed

- Footprint reduced by 90% to less than 300 square miles
- Disposal of approximately 75% of low-level radioactive waste and mixed-low-level waste across the EM complex
- Remediation of approximately 75% of soil and groundwater release sites
- Completion of D&D activities at over 50% of radioactive and industrial facilities

Mission Area	Est. End Date	Remaining Cost*	Metric Name	Progress To Date	Remaining Units of Total Life Cycle
Nuclear Materials Disp.	2034	\$4.8B	Pu metal or oxide packaged for long term storage		0 of 5,089 containers
			Pu or uranium residues packaged for disposition		0 of 107,828 kg of bulk
			Enriched uranium packaged for disposition		587 of 8,603 containers
			Material Access Areas eliminated		1 of 35 MAAs eliminated
Spent Nuclear Fuel Disp.	2037	\$9.7B	SNF packaged for final disposition		15 of 2,451 MTHM
Geographic Sites	2075	N/A	Geographic sites eliminated		16 of 107 Geographic sites
Solid Waste Disp.	2066	\$16.9B	LLW and M/LLW disposed		243,213 of 1,573,667 m³
			CH-TRU dispositioned		42,367 of 1,573,667 m³
			RH-TRU dispositioned		6,937 of 7,286 m³
Soil and Groundwater Remediation / Facility Deactivation & Decommissioning	2075	\$21.5B	Remediation completions		2,506 of 10,874 release sites
			Radioactive Facility completions		2,008 of 4,137 Industrial Facilities
			Industrial Facility completions		396 of 982 Radioactive Facilities
			Nuclear Facility completions		325 of 489 Nuclear Facilities
Liquid Tank Waste Disp.	2050	\$80.5B	HLW packaged for final disposition		19,387 of 23,890 HLW canisters
			Liquid waste in inventory eliminated		82,305,000 of 90,814,000 gallons
			Liquid waste tanks closed		224 of 239 tanks
Depleted Uranium Disp.	2038	\$4.1B	Depleted and other uranium packaged for disposition		631,061 of 737,408 metric tons

* EM calculates both a low and high cost estimate that incorporates different levels of risk contingency. The figure displayed represents the high cost estimate.



Metric Name and Unit Legend:
 Contact Handled
 RH = Remote Handled

CH =
 MTHM = Metric Tons of Heavy Metal
 TRU = Transuranic Waste
 LLW = Low Level Waste

M/LLW = Mixed and Low Level Waste
 HLW = High Level Waste
 Pu = Plutonium

Targets for the metrics:
 • CH-TRU dispositioned; and
 • RH-TRU dispositioned
 cannot be provided at this time due to the suspension of WIPP operations and the ongoing recovery efforts.

1. Project Management

2. Legal and Regulatory Commitments

3. Establishing long-term financing

4. Recruiting and maintaining workforce

5. Developing new technologies