Department of Energy
 Project Management Workshop
 "Beyond Covid, Re-baselining Project Management"

Office of Environmental Management

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History of EM: 35 Years of Progress

- May 1989: Hanford Tri-Party Agreement Signed, ushered in the era of cleanup.
- Oct 1989: DOE created the Office of Environmental Restoration and Waste Management, later renamed the Office of Environmental Management.



The EM mission is to complete the safe cleanup of nuclear waste, materials, and facilities left over from five decades of nuclear weapons development and government-sponsored nuclear energy research.



Site Restoration Achievements



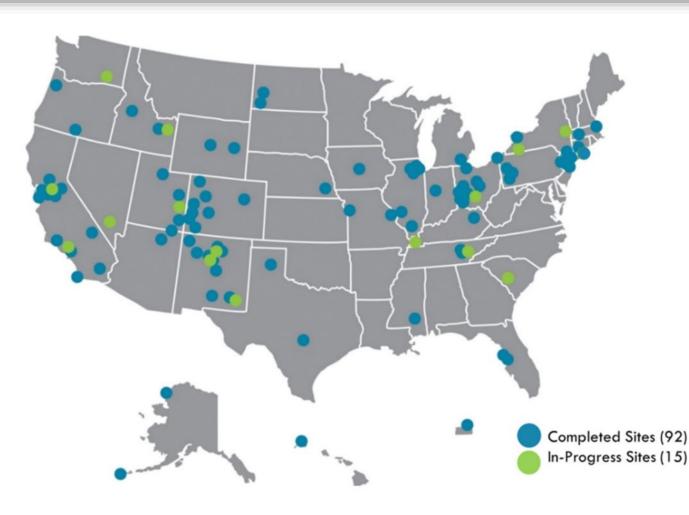
Completed cleanup of 92 of 107 sites, including:

- Rocky Flats, now a wildlife preserve
- Weldon Spring, now a trailhead
- Mound, now a business park
- Fernald, now a nature preserve
- Brookhaven National Laboratory
- East Tennessee Technology Park Gaseous Diffusion Plant





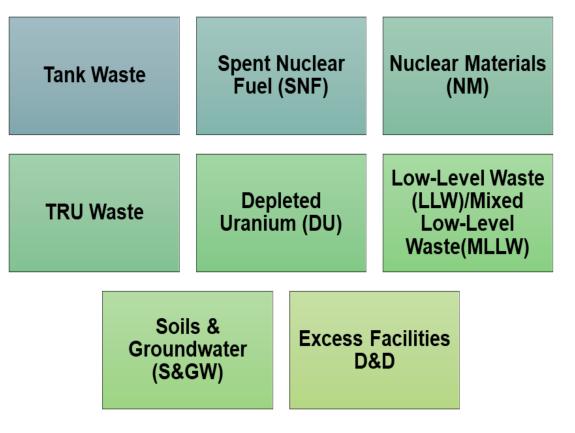
Completed Sites



	Total Completed Sites:	92
)	 Weapons Manufacturing Sites 	6
	✓ Uranium Processing Sites	2
	(UMTRA)/Mill Tailings	26
	 Uranium Mill Tailing Remedial Action 	
	✓ Test Sites	5
	Program (FUSRAP)	26
	✓ Former Utilized Sites Remedial Action	
	✓ Former Reactor Sites	3
	✓ DOE Laboratories	14
	✓ Commercial Properties/ Laboratories	10



Major Mission Areas







Six Primary Mission Areas



			Tank Waste		Facility D&D		Site Services	
EM Sites		\$3,258	M / 40%		\$1,484M/18%		\$1,402M/17%	FY 25 (\$M)
Savannah River	\checkmark	v	/	\checkmark	\checkmark	\checkmark	\checkmark	1,617
River Protection		v	/				✓	2,001
Richland				\checkmark	\checkmark	\checkmark	\checkmark	1,107
Idaho	\checkmark	v	/	\checkmark		\checkmark	\checkmark	471
Oak Ridge	\checkmark			\checkmark	\checkmark	\checkmark	\checkmark	658
Portsmouth	\checkmark				\checkmark		\checkmark	600
Paducah	\checkmark				\checkmark		\checkmark	330
Carlsbad				\checkmark			\checkmark	437
Los Alamos				\checkmark	\checkmark	\checkmark	\checkmark	281
West Valley				\checkmark	\checkmark		\checkmark	97
All Others				\checkmark	\checkmark	\checkmark	\checkmark	630

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35 Years of Impact, Excellence and Success



Tank-Side Cesium Removal System (Hanford)

April 2024

Utility Shaft - WIPP



WTP (Hanford)

Moab





Salt Disposal Units (SRS)

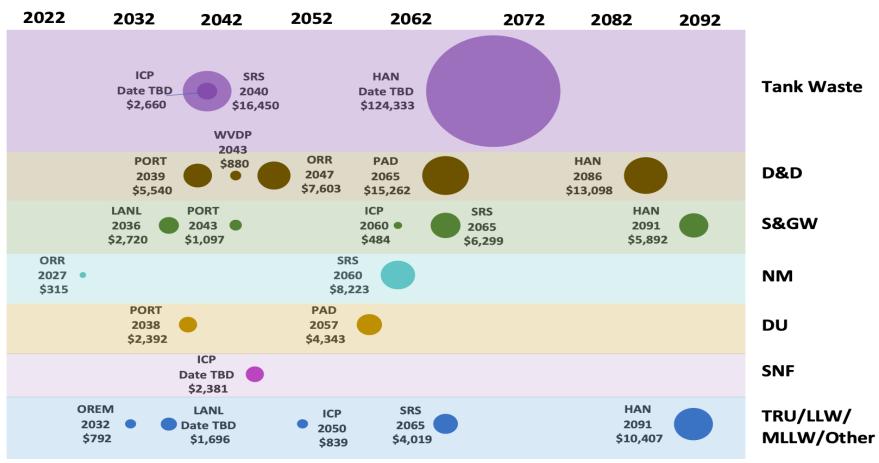


X-326 (Portsmouth)

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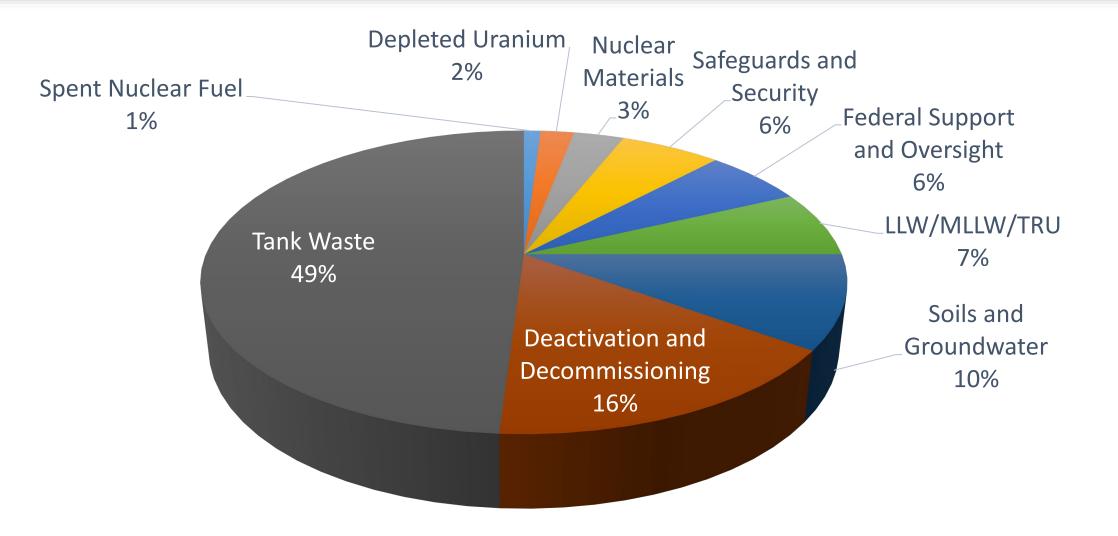
Timeline and Remaining Cost for the Largest Sites within Each Mission Area (\$M Constant 2022 Dollars/Un-escalated Dollars)



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Remaining Cleanup by Mission Area





Key Activities Planned for the Coming Decade

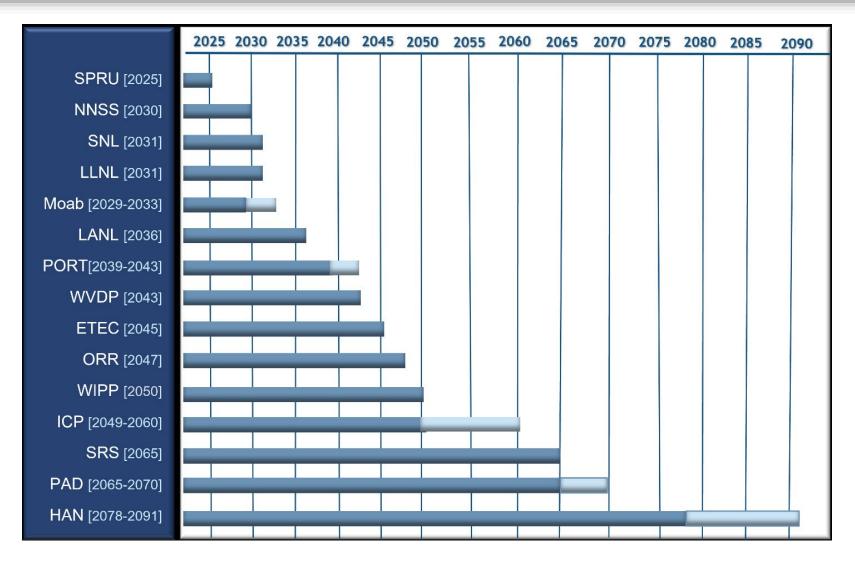
- Treating and stabilizing radioactive tank waste in glass at Hanford through the DFLAW System, Ramping up the site's high-level tank waste treatment capabilities, completing significant risk reduction activities such as transferring cesium and strontium capsules to dry storage and placing the last of the former production reactors, K West Reactor, in interim safe storage
- Emptying and closing up to 19 of 51 underground waste tanks and completing disposal of remaining legacy TRU waste at SRS
- Completing the new Safety Significant Confinement Ventilation System, the new Utility Shaft Project, and other key infrastructure upgrades at WIPP
- Completing disposal of uranium-233 at Oak Ridge, along with completing construction of the site's new Mercury Treatment Facility
- Completing the treatment of remaining liquid sodium-bearing waste at INL



Key Activities Planned for the Coming Decade

- Finalizing and implementing long-term treatment approaches for contaminated groundwater at LANL
- Completing the demolition of former uranium enrichment process buildings at Portsmouth
- Completing deactivation activities at the C-333 former uranium enrichment process building and beginning fieldwork for the C-400 remedial action at Paducah
- Completing Phase 1 demolition activities at WVDP
- Initiating soil remediation and final groundwater treatment approaches at ETEC
- Completing legacy cleanup activities at Moab
- Completing legacy cleanup activities at the NNSS

Summary of EM Program Site Completion Dates





Coming in 2024

2024 EM Program Plan

- Remaining cleanup work & strategies for completion
- -Key opportunities to accelerate completion/reduce risk
- -Framework for path forward to complete the mission https://www.energy.gov/em/em-program-plan
- 2024 EM Strategic Vision
 - -Recent accomplishments
 - –Integrated planning
 - High-level summary of cleanup over the coming decade https://www.energy.gov/em/articles/em-strategic-vision

