Stewardship of the Hanford Site Now and Into the Future

Stewardship Roundtable
Environmental Management Site-Specific
Advisory Board Chairs Meeting
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Vice-Chair
Hanford Advisory Board

Definition of Stewardship

The concept of land as a resource,

Our responsibility to wisely manage that resource, and

Our responsibility to future generations for the condition of that resource.

Phases of Hanford Site Stewardship

Phase	When	What	Responsibility
Past	1940's to 1990's	Materials Production	AEC / DOE
Present	1990's thru 2050's	Clean-up & Remediation	DOE EM
Future	Next 150 years	Surveillance & Maintenance	DOE EM → LM
Distant Future	Beyond 150 years to perpetuity	?????	?????

Cleanup Strategy

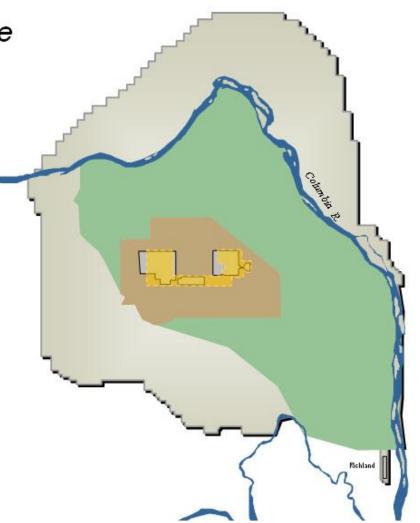
Go from 586-square-mile site to 10 square miles

Work in four areas

River Corridor (~210 sq. miles)

Central Plateau, Outer Zone (~65 sq. miles)

Central Plateau, Inner Zone (~10 sq. miles)

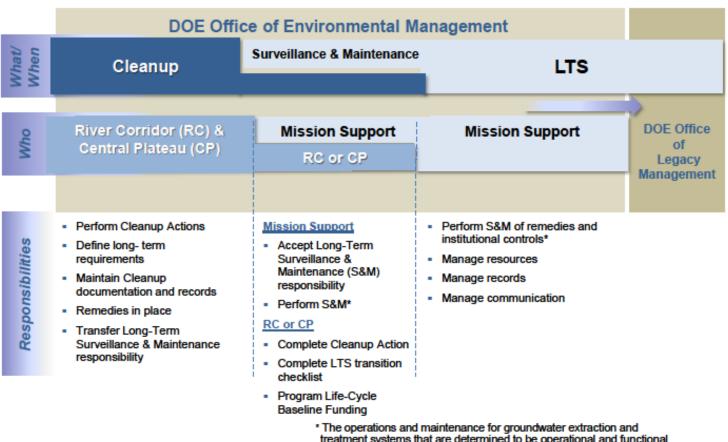


Responsibilities of the Cleanup and LTS Programs

CERCLA Cleanup	1. Design Remedy 2. Implement Remedy 3. Verify Remedy Performance 4. Issue Proposed Plan for public comment 3. Issue Record of Decision (ROD) Pre-Cleanup Activities 1. Achieve Construction Completion Status – "All Necessary Physical Construction is Complete" 2. Achieve Site Completion Status – "All Cleanup Goals Achieved" Cleanup Activities Cleanup Activities Cleanup Activities Cleanup Activities Cleanup Action Completion	LTS Program 1. Conduct Five-Year Review to Assess Protectiveness of Remedies 2. Maintain Protectiveness of Remedies 3. Pursue Site Deletion – Full or Partial Deletion from National Priority List 4. Maintain Institutional Controls 5. Surveillance and Maintenance of any Natural Resource Damages Restoration activities Post-Cleanup Activities
RCRA TSD Closure	1. Prepare Closure Plan and Post-Closure Plan Actions 1. Implement Closure Plan (if necessary) and Modify 2. Modify RCRA Permit 2. Issue Certification of Closure	Implement Post-Closure Plan Certify Completion of Post Closure Care
	S&M Activities After Cleanup to Final Remedy RODs is Completed S&M Activities Following Cleanup Completion	

^{*} The operations and maintenance for groundwater extraction and treatment systems that are determined to be operational and functional may be conducted by the LTS Program even before remedial objectives are complete.

Cleanup and LTS Program Responsibilities During Transition



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What Can DOE Do To Help?

- Establish a database of the real cost of Physical and Institutional Controls that can be consistently applied during remedy selection.
- Establish a funding mechanism to account for Annual Congressional Appropriations while remedy selection cost analysis use Net Present Value methods to estimate long term costs.

Conclusions

- The Future Is Being Shaped Now
 - Clean-Up Decisions Made Today Will Define LTS Requirements
 For The Future
- The Future Is Unknown
 - Funding
 - Ownership
- Perpetuity Is Time Without End, An Eternity, Infinity...
 Beyond My Comprehension



We Must Be Good Stewards Today To Preserve The Land For Future Generations

Potential Backup Slides

Hanford Site Clean-Up

