



U.S. DEPARTMENT OF  
**ENERGY**

Richland Operations  
Office

# Hanford Advisory Board

## Hanford 2011 Lifecycle Scope, Schedule and Cost Report

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**EM** *Environmental Management*

safety ❖ performance ❖ cleanup ❖ closure



# Lifecycle Report Status

- The Tri-Party Agreement (TPA) agencies [U.S. Department of Energy (DOE), U.S. Environmental Protection Agency (EPA), and Washington State Department of Ecology(Ecology)] have a new TPA milestone (M-36-01): *Hanford Lifecycle Scope, Schedule and Cost Report* (Lifecycle Report)
- DOE has been working with EPA and Ecology since November 2009 to plan and prepare the 2011 Lifecycle Report, a first of its kind document
- The Lifecycle Report will include the remaining Hanford Site cleanup mission, DOE-RL and DOE-ORP, and will cover Fiscal Years 2011-2090
- DOE is required to submit the Lifecycle Report annually to EPA and Ecology
- The goal is a user-friendly, reasonably sized report with detailed appendices





# Lifecycle Report Uses

- Provides a foundation for preparing budget requests
- Provides a basis for briefing the Tribal Governments, state of Oregon and Hanford stakeholders
- Provides a foundation for continued discussions with EPA and Ecology on how and when both DOE offices will complete cleanup, and how milestone changes and adjustments would affect lifecycle scope, schedule and cost
- Is not a document that makes regulatory cleanup decisions





# Lifecycle Report Basics

- Is a living document, prepared, and issued annually (January 31<sup>st</sup>)
- Takes into account Tribal Nations, state of Oregon and Hanford stakeholders' values
- Presents information by Project Baseline Summary (PBS)
  - The entire Hanford lifecycle at PBS Level 1 and 2
  - The near-term lifecycle (2 to 5 years) at PBS Level 3
- Reflects cleanup decisions that have been made and determines a reasonable upper bound for plausible alternatives where cleanup actions are not yet in place





## Lifecycle Report Basics (continued)

- Lists all the existing federal and state decisions that affect Hanford cleanup
- Identifies 42 remaining, non-final cleanup actions along with a range of plausible alternatives
- Includes two alternative analyses: Disposition of 100 Area Reactors and Remediation of 200-SW-2 Operable Unit Burial Grounds
- Provides a schedule for completion of a detailed alternative analysis for each of the remaining cleanup actions





## Schedule and Outreach

- The initial Lifecycle Report is due no sooner than nine months after the milestone is finalized (July 25, 2011)
- However, to better serve the purpose of the report, DOE is working to provide a 2011 Lifecycle Report to EPA and Ecology in March, 2011
- Input will be sought from Tribes, state of Oregon, Hanford stakeholders, and the public, and it will support 2012 Lifecycle Report development
- Outreach and Involvement
  - Hanford Advisory Board Advice #223 was received November 6, 2009
  - Tribal Nations, State of Oregon, and Hanford Advisory Board Budgets and Contracts Committee have been consulted and briefed on progress
  - Outreach and input on the 2011 Report is being planned at this time





# Outline for 2011 Lifecycle Report

- Executive Summary
- Chapter 1 – Introduction
  - Lifecycle Report purpose
  - TPA Milestone requirements
  - Approach to cleanup decisions and alternatives
- Chapter 2 – EPA, Ecology, Tribes, state of Oregon and Stakeholder Views and Values
- Chapter 3 – Hanford Site Cleanup Planning and Integration
  - DOE and Hanford budget formulation process





# Outline for 2011 Lifecycle Report

- Chapter 4 – Hanford Site Integrated Lifecycle Summary
  - Scope, schedule and cost for DOE-RL and DOE-ORP
  - Summarized at PBS Level 1 for entire lifecycle
- Chapters 5, 6, 7, and 8
  - Scope, schedule and cost for River Corridor, Central Plateau, River Protection, and Mission Support, respectively
  - Presented at PBS Level 2 for entire lifecycle
  - Latest cleanup decisions, milestones and assumptions (at time of report) are presented
  - In-depth alternative analyses (with schedule and cost estimates) provided for two non-final cleanup actions
    - 100 Area reactor disposition (Chapter 5)
    - Remediation of the 200-SW-2 Operable Unit (Chapter 6)





# 2011 Lifecycle Report Outline (continued)

- Chapter 9 – Report Limitations
- Chapter 10 – Opportunities for Improvement
- Appendices
  - A Hanford Site Cleanup Decisions
  - B Hanford Site Cleanup Actions and Plausible Alternatives
  - C Application of Key Tri-Party Agreement Requirements
  - D Hanford Cleanup Mission Cost and Schedule Details
    - Near-term (2 – 5 years) cost and schedule at PBS Level 3
  - E Hanford Advisory Board Lifecycle Advice #223





# Summary

- This is a new kind of report, intended to inform and support budget preparation
- DOE continues to work in cooperation with Ecology and EPA to develop the first report
- Your input will be an ongoing part of the report preparation process





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# Questions and Discussion



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