



Central Plateau Cleanup Strategy Update

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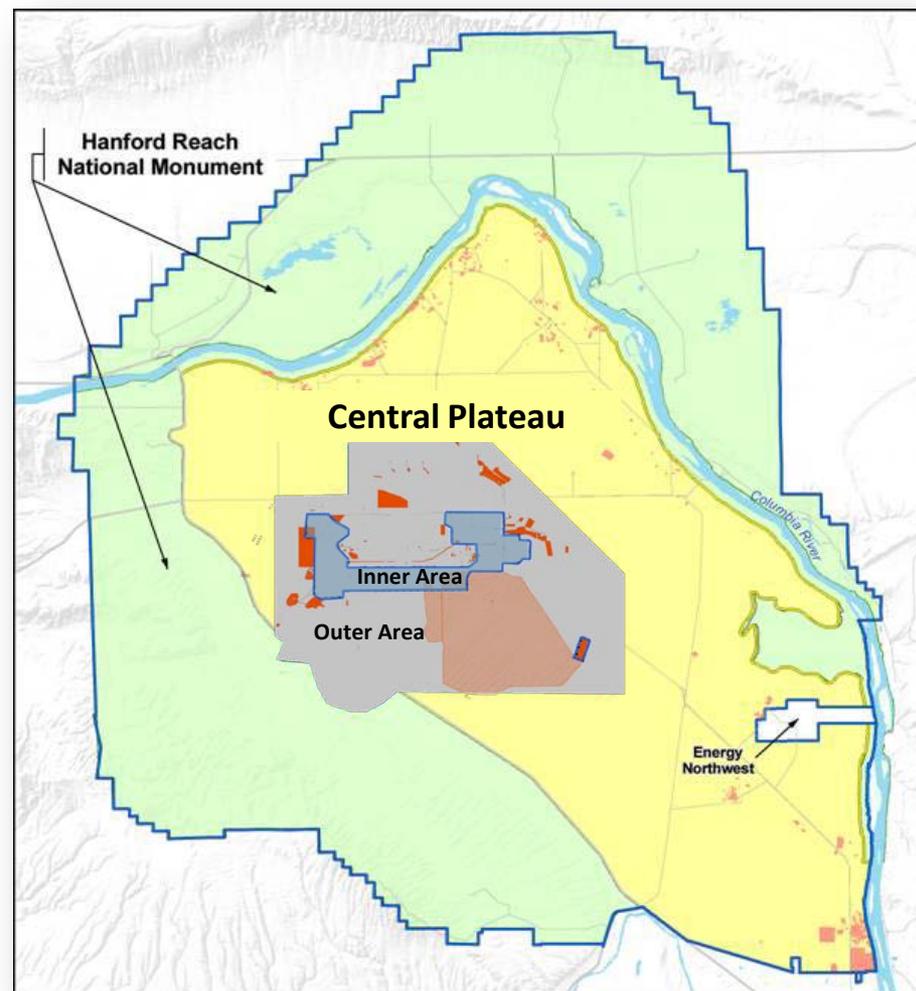
*Hanford Advisory Board Committee
February 4, 2010*



U.S. DEPARTMENT OF
ENERGY

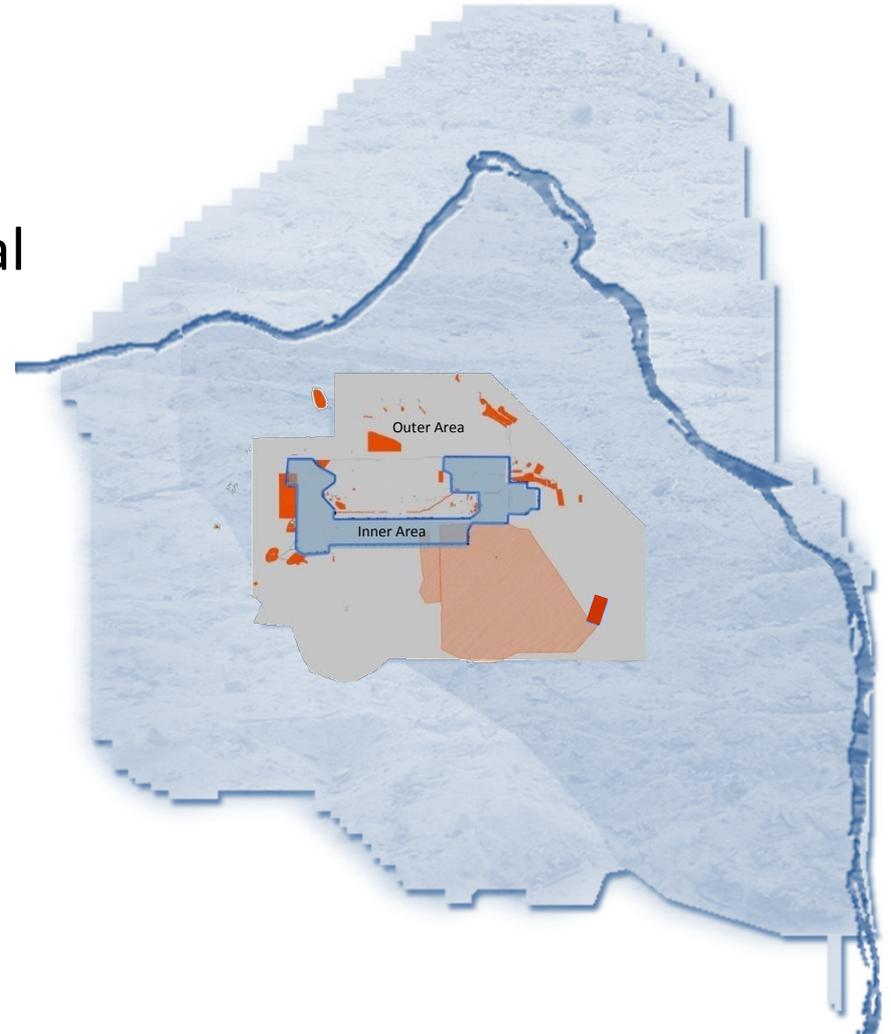
The Need and Purpose of a Central Plateau Completion Strategy

- Achieve 2015 Vision to shrink active cleanup footprint to 75 mi² in Central Plateau.
- Establish a vision for what the Central Plateau looks like when cleanup is done.
- Establish a comprehensive strategy.
- Establish goals, objectives and consistent principles to guide cleanup decisions.
- Provide basis for future funding requests.



Central Plateau Cleanup Strategy

- Shrink the Hanford Site cleanup to the smallest practicable Central Plateau footprint.
- Protect human health, ecological resources and groundwater.
- Focus cleanup in three areas:
 - Inner Area
 - Outer Area
 - Groundwater
- Make decisions focused on groundwater cleanup, canyon facility remediation, waste site remediation and deep vadose zone.



Proposed Approach

Proposed Decision Structure as of September 30, 2009

Inner Area

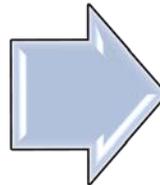
1. 200 West Inner Area
2. 200 East Inner Area
3. Balance of Inner Area
4. 200-PW-1/3/6 and 200-CW-5

Outer Area

1. Outer Area

Groundwater

1. 200 West Groundwater
2. 200 East Groundwater



Revised Proposed Decision Structure as of February 3, 2010

Inner Area

1. 200 West Inner Area
2. 200 East Inner Area
3. 200-SW-2 (Burial Grounds)
4. Tank Farm Environmental Media/
Deep Vadose Zone
5. 200-PW-1/3/6 and 200-CW-5
Canyons & associated waste sites
6. PUREX
7. B Plant
8. REDOX
9. T Plant

Outer Area

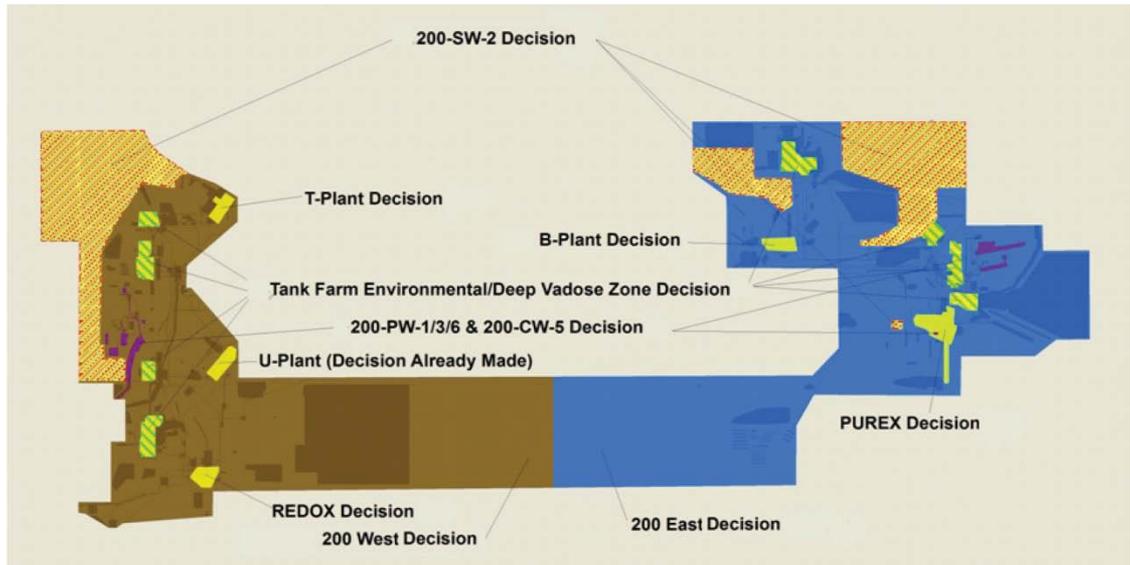
1. Outer Area

Groundwater

1. 200 West Groundwater
2. 200 East Groundwater

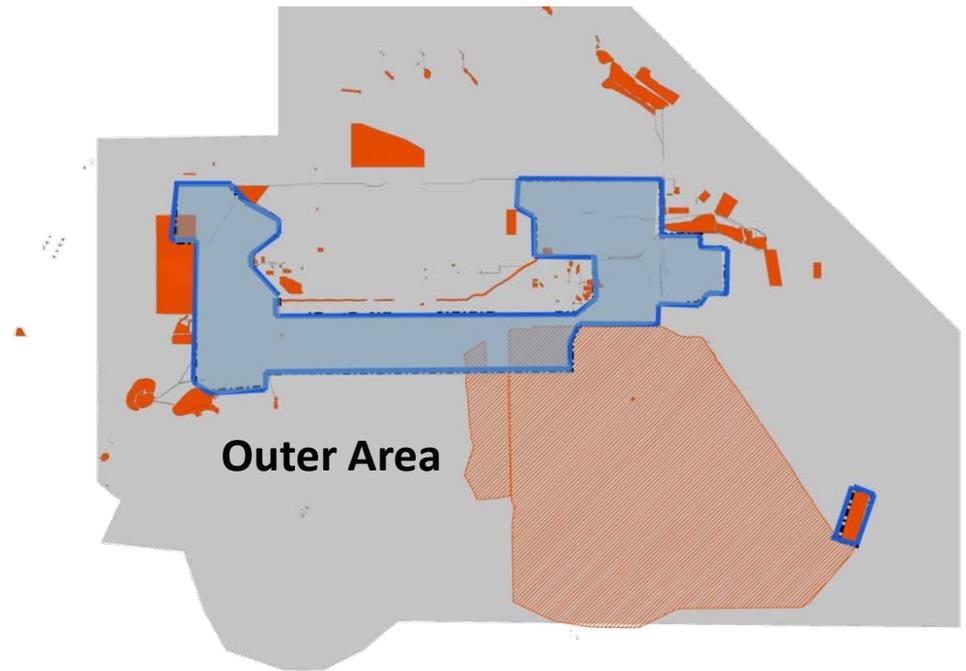
Inner Area Approach

- Minimize the size of the area requiring long-term management (the final footprint).
- Configure waste and residual contamination to be protective of human health and the environment.
- Implement a combination of nine geographic-area based decisions.
- Make comprehensive, consistent cleanup decisions with agreed-upon guiding principles.
- Monitor Inner Area to ensure cleanup remedies are protective.



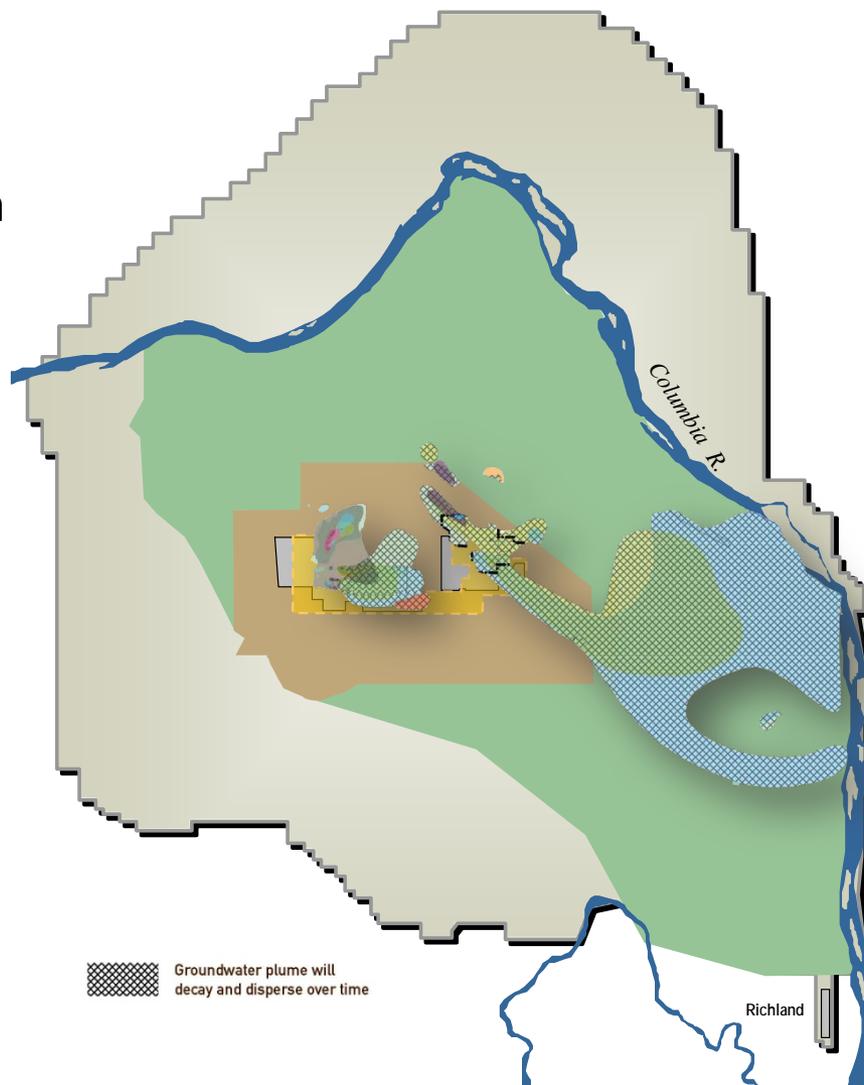
Outer Area Approach

- Clean up waste sites (about 100) comparable to the River Corridor with some exceptions.
- D & D excess facilities.
- Make cleanup decision with one Record of Decision.
- Cleanup work has started with interim decisions using ARRA funds.



Central Plateau Groundwater Approach

- Contain key contaminants (carbon tetrachloride, technetium 99, uranium) to the Central Plateau and remediate to meet drinking water standards.
- Complete groundwater remediation decisions on the Central Plateau using 200-ZP-1 as template.
- Implement pump & treat systems in next few years to continue to contain key contaminants.



Central Plateau Strategy

- The review and discussion of the strategy with Tribal Nations, the Hanford Advisory Board, the State of Oregon and other stakeholders provided valuable input on the path forward for Central Plateau cleanup.
- The agencies factored this input into the discussions and negotiations on changes to be made to the TPA.
- DOE will revise the strategy document to address input received and the outcome of agency discussions.

Central Plateau Strategy – Next Steps

- The agencies' collaborative discussions and negotiations will result in draft TPA change packages that revise the approach to Central Plateau cleanup.
- The proposed changes set forth the approach for completing remediation of groundwater, waste sites, canyons and other excess facilities, tank farm environmental media, and deep vadose zone contamination.
- Draft change packages will be available for a 45-day public comment period in mid- to late-March.