

*River Corridor
Closure Project*

Emerging Issues for the Columbia River Corridor Closure Project

Ryan Dodd

Deputy Project Manager

Washington Closure Hanford, LLC

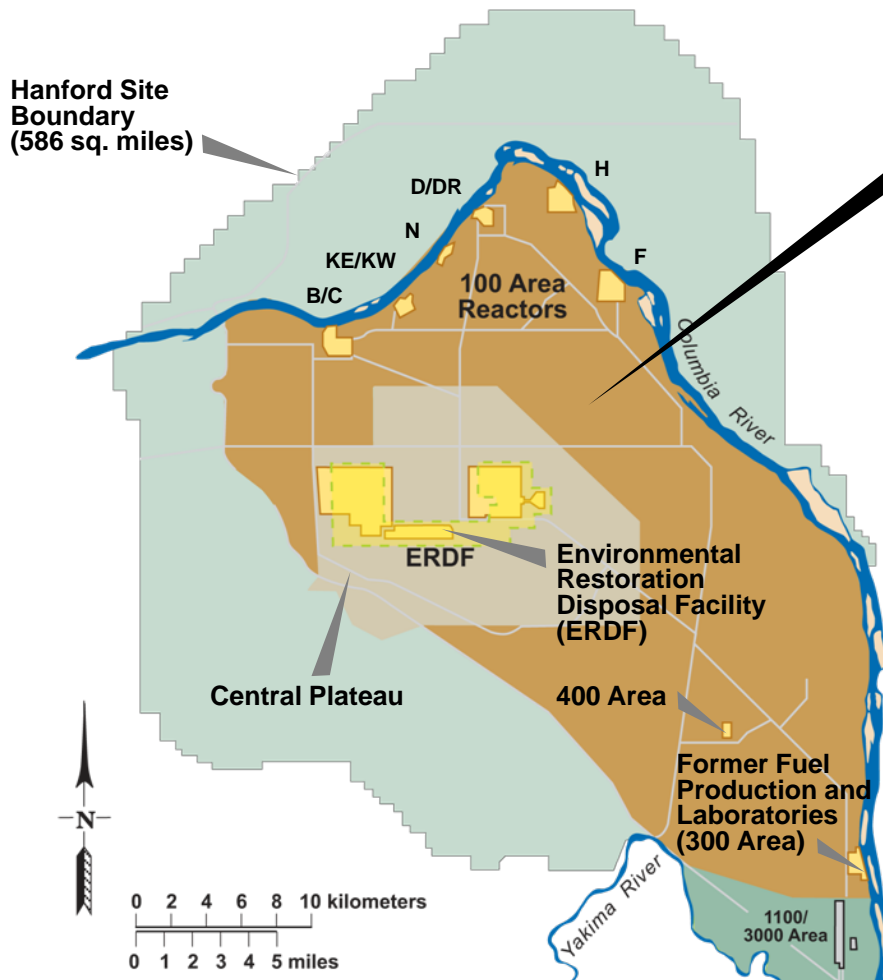
March 1, 2011

Panel Discussion 27



U.S. Department of Energy
Richland Operations Office

The RCC scope extends along the Hanford portion of the Columbia River



River Corridor
 (220 square miles
 and 46 linear miles of
 Columbia River shoreline)

River Corridor Contract

- 10-year contract ends 2015
- Cost-Plus incentive fee (target cost) contract
- Incentivizes
 - Safe and regulatory sound cleanup
 - Cost and schedule savings
- Parent companies:
 URS, Bechtel, CH2M Hill

Cleaning up the River Corridor represents major challenges in scope

Demolish Facilities

155 of 312 buildings complete

Cocoon Reactors



Remove Surplus Facilities

Remediate Waste

177 of 366 waste sites remediated



Burial Ground Excavation



Transport contaminated soil and debris to disposal facility



Treat waste if required, then dispose

Over 10 million tons of waste transported to ERDF since 1996



Environmental Restoration Disposal Facility

TPA Milestones

Completed 28 of 28 regulatory milestones on schedule

Protecting the Columbia River

American Recovery and Reinvestment Act of 2009 (ARRA) Produces Results

Projects

- **Environmental Restoration Disposal Facility:** Enabling increased disposal rates for accelerated Hanford cleanup.
- **618-10 Burial Ground:** Completed characterization of 94 highly contaminated vertical pipe units and 12 trenches. Remediation begins in spring.
- **100-F:** Remediating 19 waste sites in F Area, one of Hanford's nine production reactor sites.

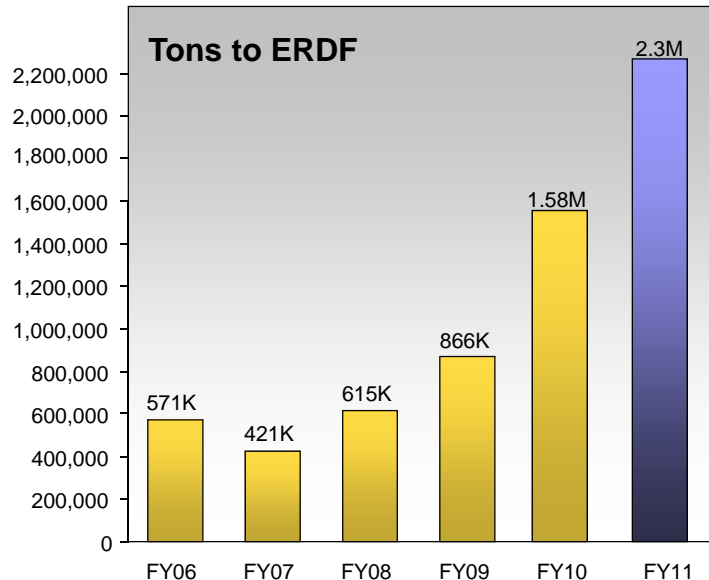


Environmental Restoration Disposal Facility expansion ahead of schedule

Performance

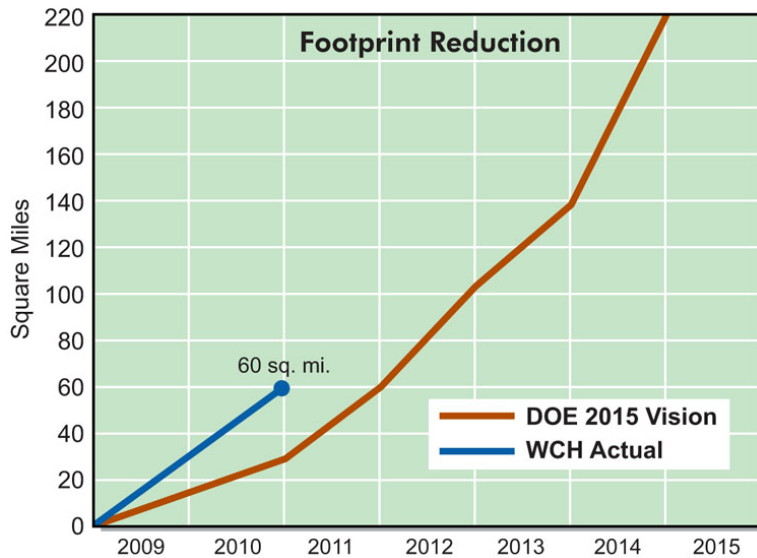
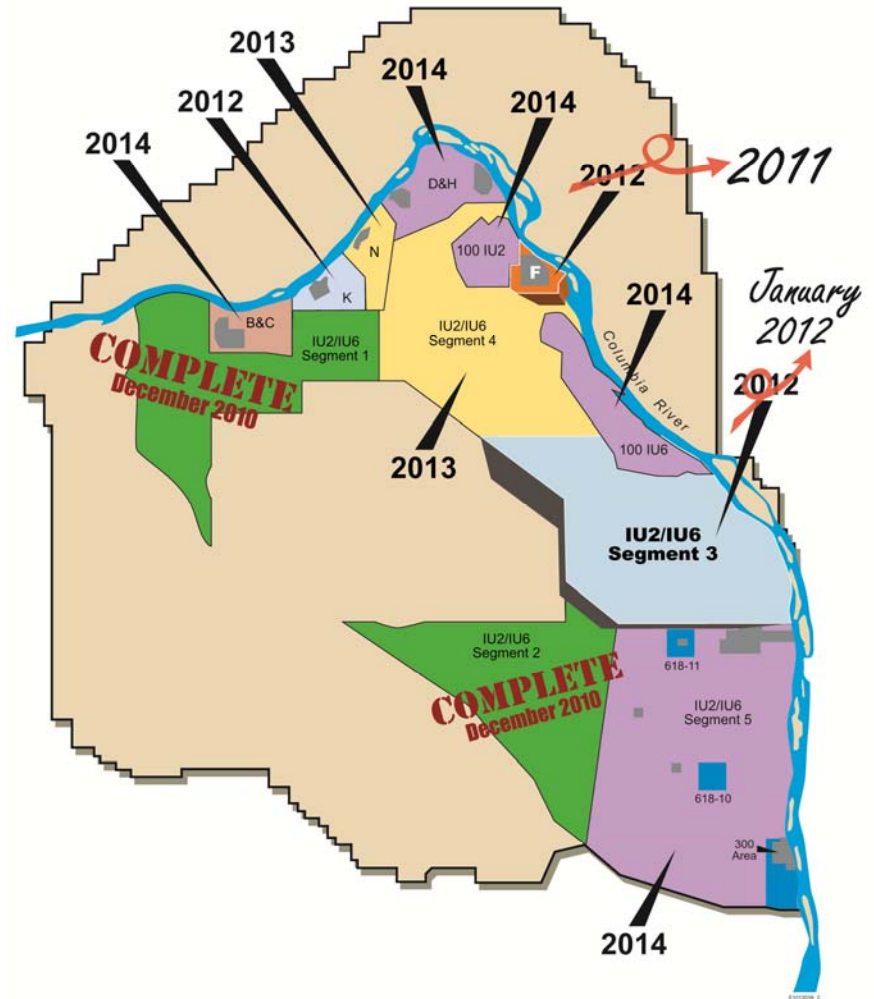
- **111 FTE**
- **\$140.3M spent***
- **365,552 safe hours***

*Data through January 23, 2011



618-10 Burial Ground characterization complete

Supporting DOE's River Corridor Closure by 2015

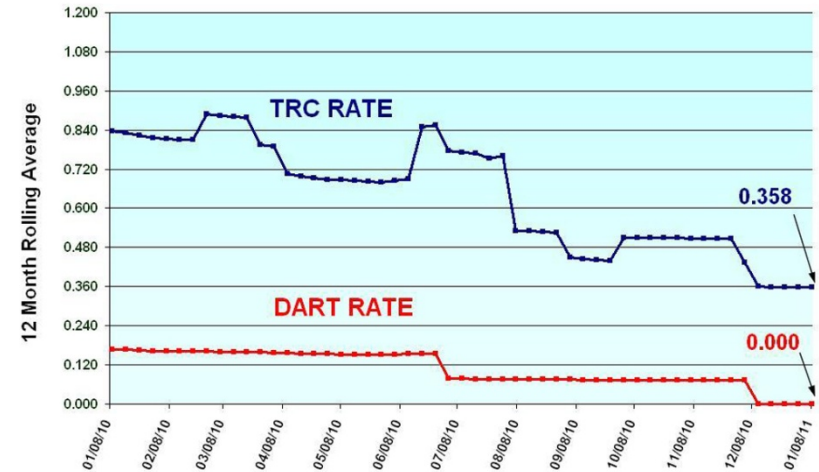


The River Corridor Closure Project has been designated by DOE as
"The largest single DOE Environmental Management cleanup closure project"

Here's where we are today

- Maintaining good safety record
- Project is ahead of schedule and under budget
- 10-year project is at the half-way mark and 60% complete
- Saved \$221M by efficiently performing work
- WCH awarded 94%, or \$196M, of subcontracts to small businesses in FY2010

River Corridor Closure Project
Total Recordable and DART Case Rate
12 Month Rolling Weekly Average
January 2010 - January 2011



Protecting the Columbia River

Technology Needs for Remediation of Highly Contaminated Soil

The 324 Building operated as a Hazardous Category 2 Nuclear Facility. A hot cell breach caused high level research material to contaminate soil beneath the building.

Next steps:

- Evaluating the extent of the contamination
- Implementing characterization technologies
- Seeking technologies for remediation
(http://www.washingtonclosure.com/documents/tech_needs/TechNeeds_324_b_Cell.doc)



Washington Closure still has 4 years left on contract – why the urgency?

- At the halfway point of the contract, the project has safely completed difficult cleanup work, however, some of the most hazardous and challenging work lies ahead.
- The Closure Contract is unique to Hanford and committed to 2015 Vision
- Established a closure team
 - Implementing strategic closeout work schedules
 - Engaging workforce – essential for continuity and compliance
 - Manage transition of employees – “People Plan”



Challenges Facing our Closure Contract

- The first closure contract at Hanford
- Vision 2015 footprint reduction schedule adjustments
- Contract requirements
- Regulatory requirements
- American Recovery and Reinvestment Act changes
- Increasing risk and complexity of work
 - 618-10 and 618-11
 - 324 Building



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