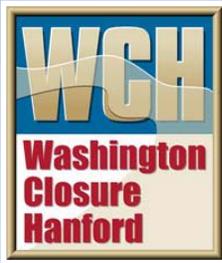


DOE's Largest Environmental Cleanup Closure Project



*River Corridor
Closure Project*



U.S. Department of Energy
Richland Operations Office

River and Plateau Committee

Briefing on the River Corridor Closure Project

Mark French

*DOE-RL, Federal Project Director for the
River Corridor Closure Project*

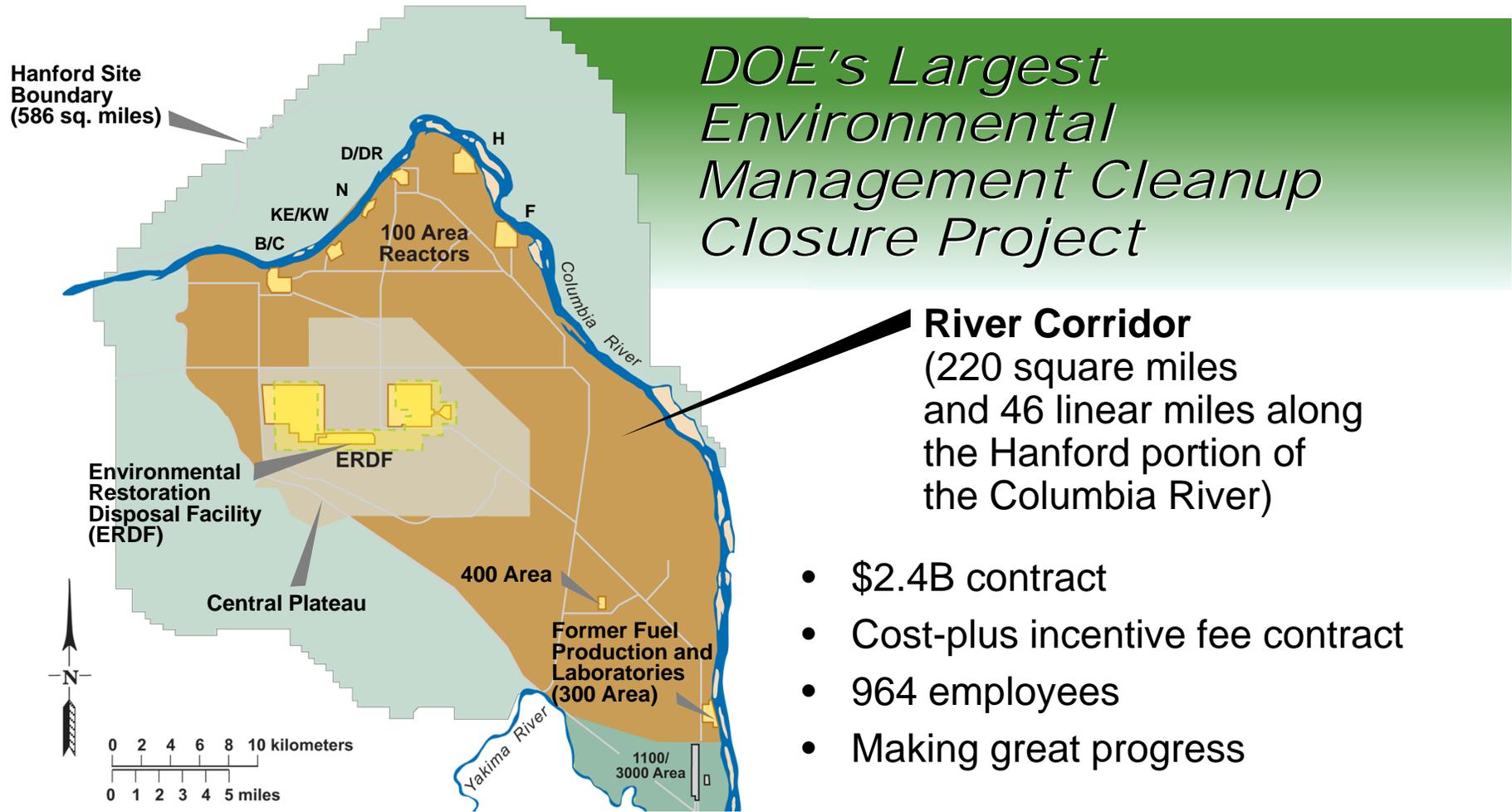
Carol Johnson

*Washington Closure Hanford,
President and Project Manager*

February 2013

Protecting the Columbia River

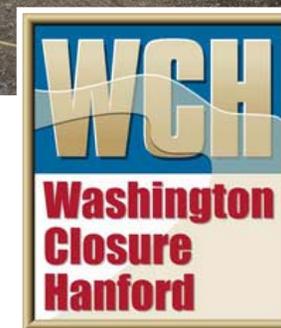
Our work scope



One Team for Safe, Visible Cleanup of the River Corridor

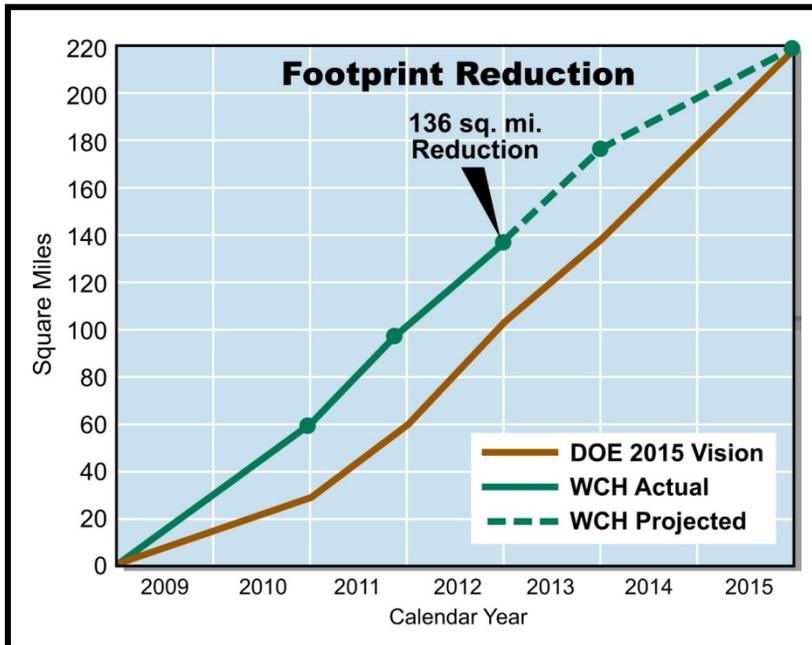
Our progress

- Excellent safety record continues
 - A top performer in DOE-EM complex
 - Positive feedback from safety culture survey
- Awarded DOE Voluntary Protection Program Star Status and DOE Star of Excellence
- Best safety record of any DOE D&D closure project
- 136 of 220 square miles are field work complete
- Washington Closure has nearly exceeded \$1B in small business awards
- Cost efficient - \$323M reinvested
- Excellent people placement statistics

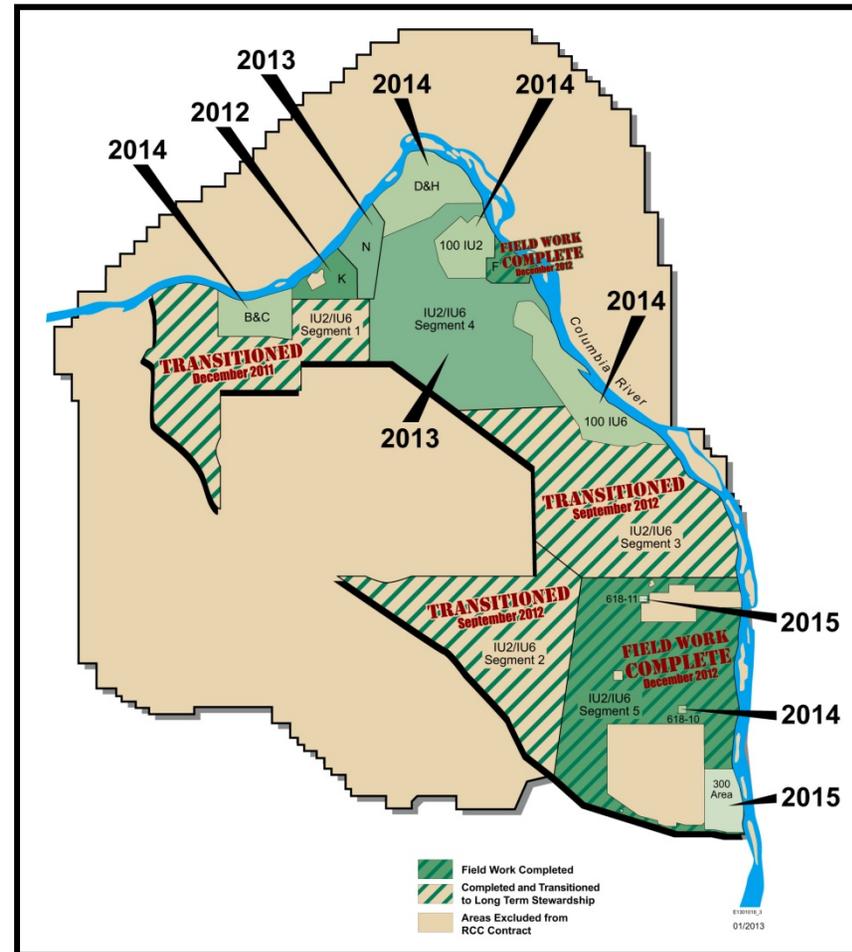


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DOE's 2015 Vision – Closure Contract progress



- ### Project Status
- 270 of 317 facilities demolished
 - 335 of 578 wastes sites remediated
 - 8.5 million tons of 10 million tons waste debris disposed
 - 87% complete



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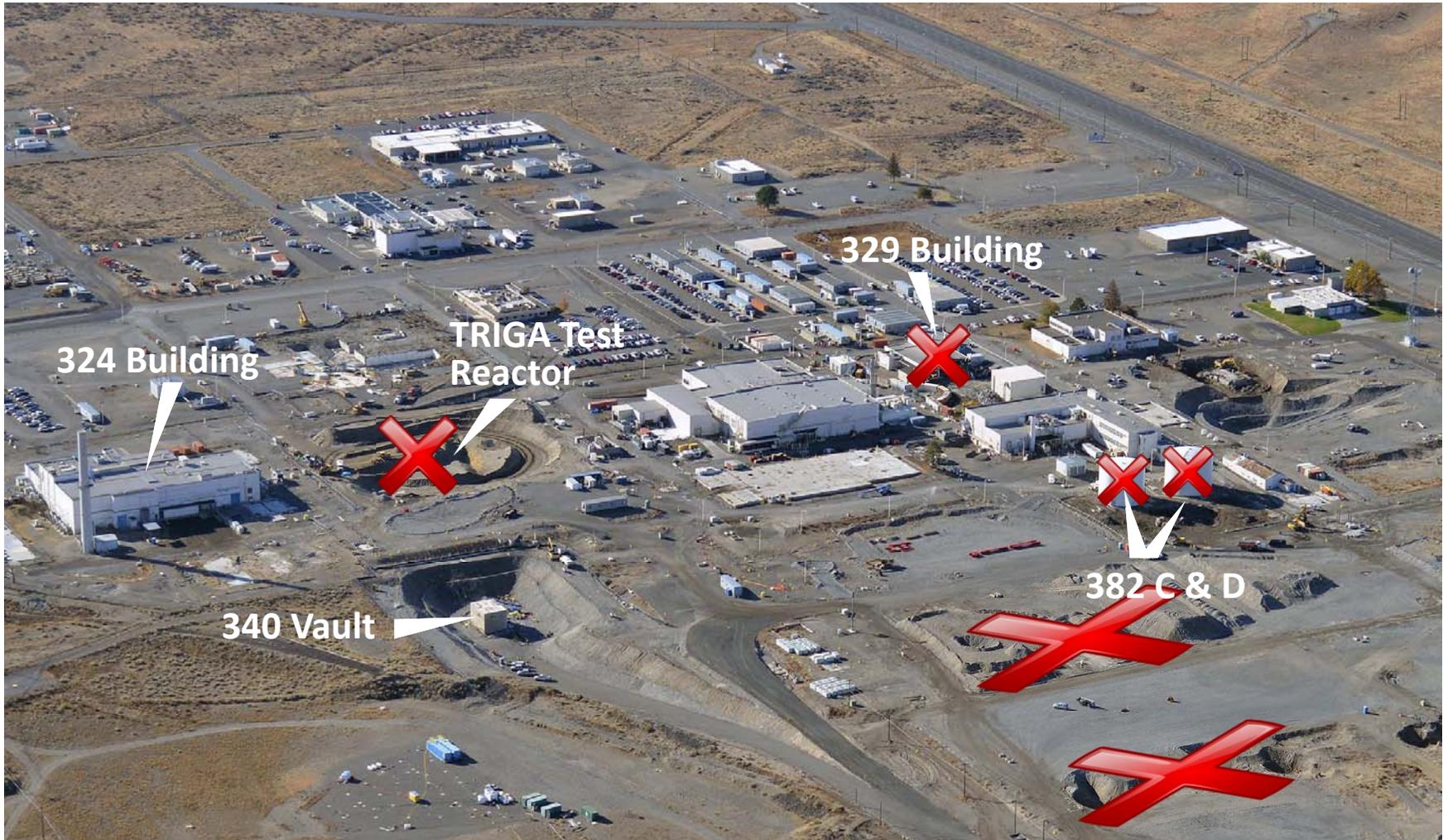
300 Area – Continued progress



The 308A TRIGA test reactor was transported to ERDF for disposal

- Significant progress continues in the 300 Area
 - Training Research and Isotope Production General Atomics (TRIGA) test reactor shipped to ERDF
 - Backfilling of 300 Area waste sites north of Apple Street completed
 - 329 Building above-grade demolition completed

300 Area



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300 Area



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618-10 Burial Ground

- Over 97,000 tons of waste from trenches disposed at ERDF
- Over 500 drums removed
- 72 drums sent to Permafix for processing
- 618-10 waste trench remediation stopped in December due to NDA data issues for concreted drums only. Restart planned in March.
- Planning to complete trench excavation in 2013



Workers excavating, removing contaminated soil and debris at 618-10



Workers sampling drums retrieved from one of the trenches

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F Reactor – First Reactor Area to be Cleaned Up

- Backfill and revegetation completed
- F Area cleaned up to interim action ROD requirements



100-F Reactor Area during operations



100-F Area revegetation

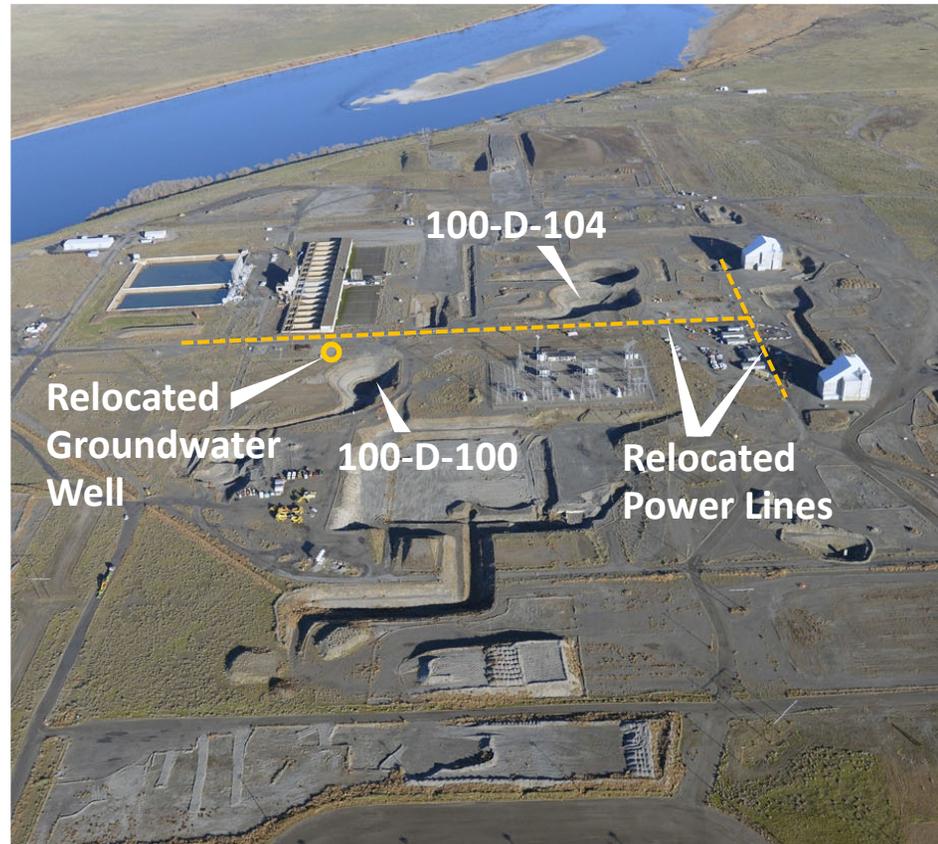


100-F Area in 2012

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D/H Reactor Area

- Remediation of 100-D-100 deep chromium contamination under way and scheduled for completion in late 2013
 - Relocated power lines and groundwater wells
- Remediation of other deep chromium contamination will start later this year and finish in 2014



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N Reactor Area

- In-situ bioremediation system to treat deep petroleum contamination installed and operational
- Extensive remediation of waste sited adjacent to N Reactor due to radioactive contamination



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B/C Waste Sites

- Remediation of sidewall contamination at 100-C-7:1 completed last week



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100-C-7



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100-C-7 Backfill



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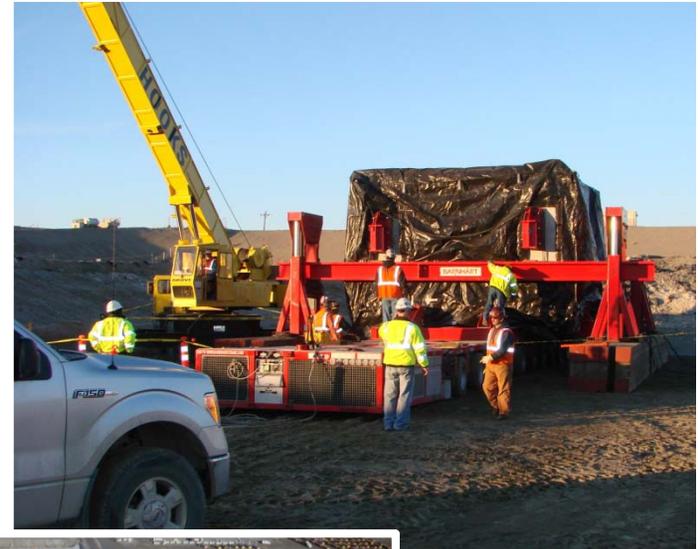
Environmental Restoration Disposal Facility (ERDF)



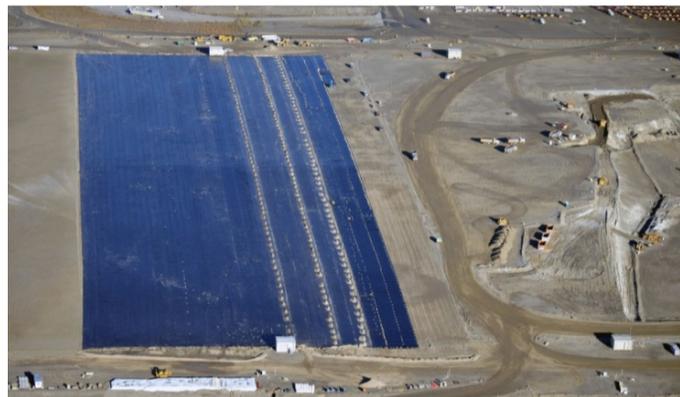
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Environmental Restoration Disposal Facility

- Since November
 - Nearly 11,000 waste cans disposed
 - Approximately 230,000 tons of waste disposed
- 79,194 waste cans disposed in FY2012
- 8.5M tons disposed since 2005
- Interim cover installed for disposal cells 5 and 6



The TRIGA test reactor was transported to ERDF for disposal



Interim cover for ERDF cells 5 and 6

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Environmental Restoration Disposal Facility

- Macroencapsulation of equipment outside ERDF cells
- Increases risk to workers and the environment
- DOE working with EPA to obtain approval to resume in-trench treatment



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WCH Completion Goals (December 2012)

Legend:
 Complete/ / Total
 Facility Complete = Loadout complete
 Waste site complete = WSRF signed
 - Confidence level
 - Trend arrow
 sm - Square miles

100-D - 2014 - 2015 F/C (8 sm - inclds H)
Facilities - 12/14
Waste Sites - 64/96
 Risk: Unknown extent of contamination in high priority chromium sites
Future REA Waste Sites - 4

100-H - 2014 - 2015 F/C (sm incld in 100-D)
Facilities - 2/2
Waste Sites - 40/52
Future REA Waste Sites - 7

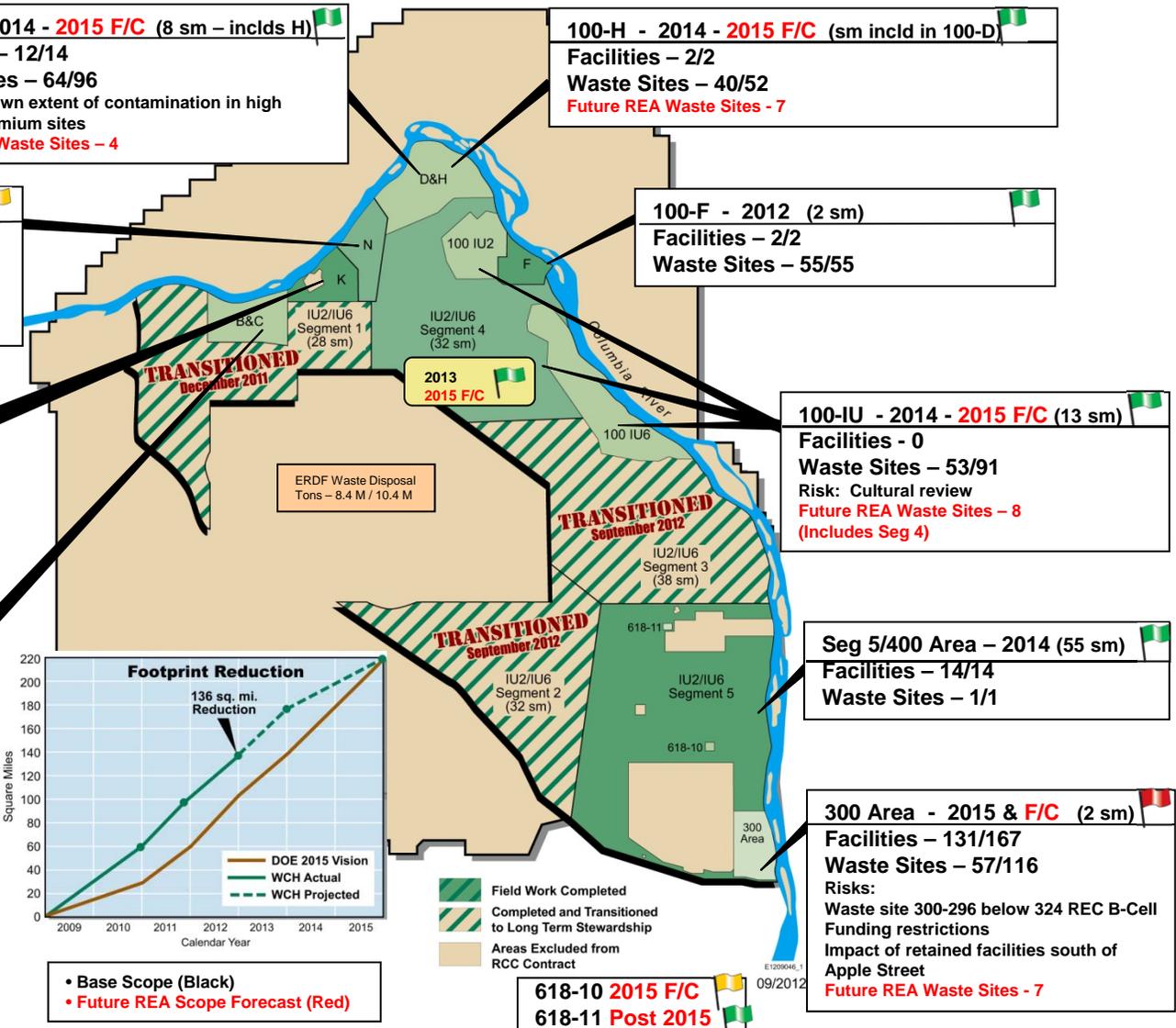
100-N - 2013 - 2015 F/C (3 sm)
Facilities - 108/114
Waste Sites - 20/114
 Risks:
 • Cultural reviews
 • **Future REA Waste Sites - 3**

100-F - 2012 (2 sm)
Facilities - 2/2
Waste Sites - 55/55

100-K - 2012 - 2014 F/C (3 sm)
Facilities - 1/1
Waste Sites - 12/18
 Risk: Sites added late to contract and funding restrictions dictated scheduling in FY13
118-K-1 Tritium Plume - Not in FCST
Future REA Waste Sites - 2

100-IU - 2014 - 2015 F/C (13 sm)
Facilities - 0
Waste Sites - 53/91
 Risk: Cultural review
Future REA Waste Sites - 8 (Includes Seg 4)

100-B/C - 2014 & F/C (4 sm)
Facilities - 0/3
Waste Sites - 33/35
 Risk: 100-C-7:1 - contamination in side wall
Future REA Waste Site - 1



Status as of December 2012
% complete: 86.6%
270 of 317 buildings completed
335 of 578 waste sites completed
Future REA waste sites - 32
136 of 220 sq miles completed

300 Area - 2015 & F/C (2 sm)
Facilities - 131/167
Waste Sites - 57/116
 Risks:
 Waste site 300-296 below 324 REC B-Cell
 Funding restrictions
 Impact of retained facilities south of Apple Street
Future REA Waste Sites - 7

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