Hanford Advisory Board *Agency Update*

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DOE Richland Operations Office

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the 2015 Vision Hanford Site Cleanup

Plutonium Finishing Plant Complex

Slightly Irradiated Fuel Shipped to the Canister Storage Building

* Does not reflect all work

All Special Nuclear Material Shipped Off-site

PFP Complex Reduced to Slab on Grade

for Safe Guarding

18 Facilities Demolished

Richland Operations Office

B & C Area

- Interim Safe Storage of C Reactor Complete
- B Reactor Designated as a Museum or Interim Safe Storage Complete
- All B & C Area Final ROD Remedial Actions Complete
- All B & C Area Groundwater Remedies
- 6 Facilities Demolished
- 40 Waste Sites Remediated
- ~381,000 Tons of Soil Removed

K Area

- K East Basin Demolished
- Interim Safe Storage of K East Reactor Complete
- K West Sludge Removed from the River Corridor
- Interim Safe Storage of K West Reactor Initiated
- All K Area Final ROD Remedial Actions Complete and TSD Units Closed with the exception of those associated with K West
- All K Area Groundwater Remedies Implemented
- 2300 Tons of Scrap Nuclear Fuel Removed
- 109 Facilities Demolished
- 2 Waste Sites Remediated
- ~361,000 Tons of Soil Removed

N Area

- Interim Safe Storage of N Reactor Complete
- All N Area Final ROD Remedial Actions Complete and TSD Units Closed

100 KE &

200 West

ERDE

100 H

D & DR

100 N 100 Area

200 East

400 Area

Fast Flux Test Facility in

Surveillance and Maintenance

200 Area

- All N Area Groundwater Remedies Implemented
- 108 Facilities Demolished
- 61 Waste Sites Remediated
- ~157,000 Tons of Soil Removed

100 B

that Protects the Columbia River

Safe and Effective Cleanup

- ➤ Reduces the Active Site Footprint of Cleanup to 75 Square Miles (586 to 75)
- ➤ Significantly Reduces Long-Term Mortgage Costs
- > At Completion, Shifts Emphasis and Resources to Full Scale Cleanup of the Central Plateau (75 square miles)
- > Reduces Costs by "Right Sizing" Hanford's Infrastructure via a Mission Support Contract
- ➤ Minimizes Injury to Natural Resources

D & H Area

- Interim Safe Storage of D, DR, and H Reactors Complete
- All D & H Area Final ROD Remedial Actions Complete
- All D & H Area Groundwater Remedies Implemented
- 16 Facilities Demolished
- 56 Waste Sites Remediated
- ~1.700.000 Tons of Soil Removed

IU2 & IU6 Area

- ✓ Interim Safe Storage of F Reactor Complete
- All IU2 & IU6 Area Final ROD Remedial Actions Complete
- All IU2 & IU6 Area Final ROD Groundwater Remedial Actions Complete
- ✓ 1 Facility Demolished
- 50 Waste Sites Remediated
- ~962,000 tons of Soil Removed

Central Plateau Cleanup

- All 200 West Carbon Tetrachloride, Uranium and Technetium 99 Groundwater Remedies Implemented

300 Area

- All 300 Area Final ROD Remedial
- All 300 Area Groundwater Remedies
- 186 Facilities Demolished
- 95 Waste Sites Remediated

Isolated Unit

ROD = Record of Decision

= Treatment, Storage, Disposal

Conduct Additional Cleanup as Funds Become Available

- Actions Complete and TSD Units Closed
- **Implemented**

- ~923.000 Tons of Soil Removed
- Final Remediation of 618-10 & 618-11 Burial **Grounds Complete**



400 Area

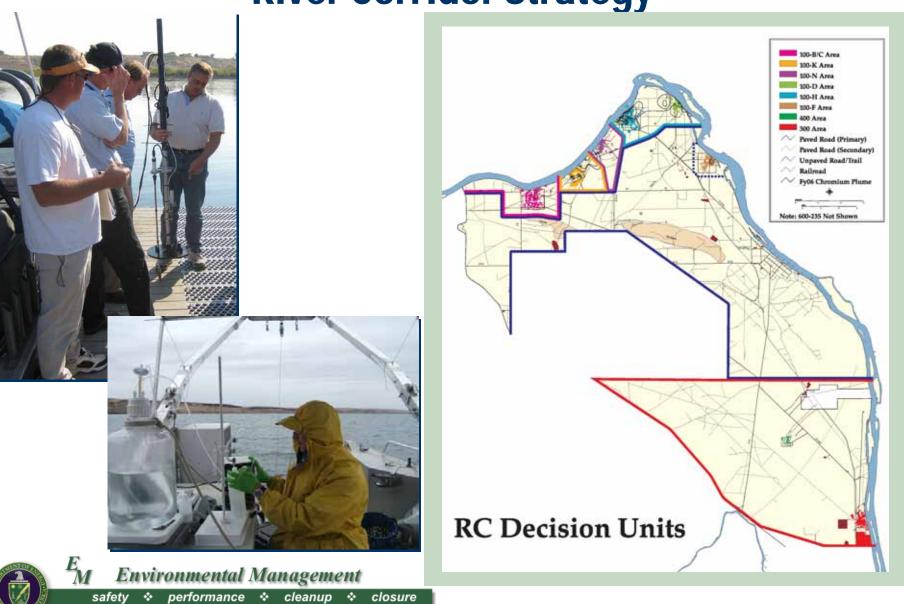
Energy

300 Area

PNSO Operations



River Corridor Strategy



300 Area - Glovebox Removal

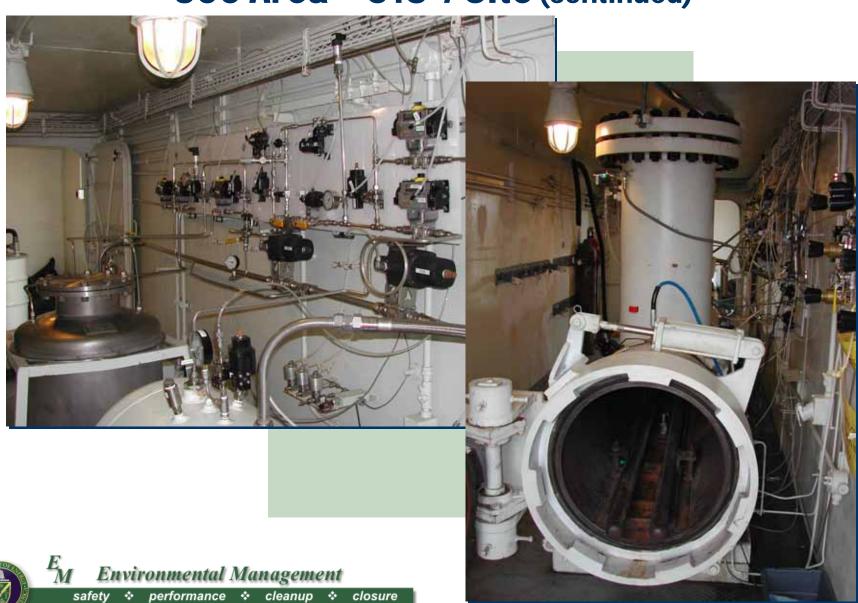




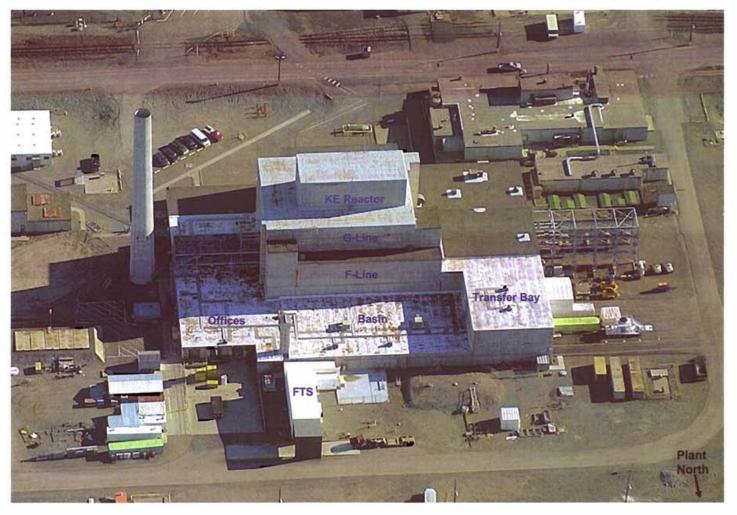
300 Area - 618-7 Site



300 Area – 618-7 Site (continued)



K East Basin - Before Demolition



105KE Reactor and Fuel Storage Basin



Environmental Management

safety & performance & cleanup & closure

K East Basin





Groundwater

- 200-ZP1 Record of Decision finalized first final ROD for groundwater on the Hanford Site
- Contaminants of concern include carbon tetrachloride, total chromium (Cr III and Cr VI), nitrate, trichloroethylene, iodine 129 and technetium-99
- Selected remedy combines pump and treat, monitored natural attenuation, flow path control and ICs



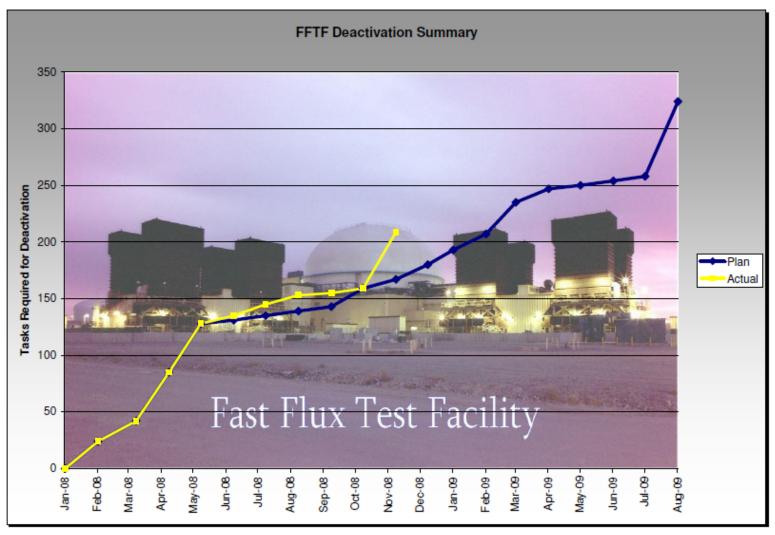
Plutonium Finishing Plant



Plutonium Finishing Plant



FFTF Deactivation Status





Central Plateau - B/C Control Area









Solid Waste Stabilization & Disposition – FY 09

- Retrieve 1000 cubic meters
- Repackage in T Plant
- Prepare 1000 Overpack drums for potential shipment to INL
- Build inventory for future shipping campaigns



RL Overall Occupational Safety Performance

<u>October</u>							
Contractor	Work Hours	TRC Rate	DART Rate	FY09 TRC Rate	FY09 DART Rate	FY08 TRC Rate	FY08 DART Rate
PRC	304,564	1.97	0.00	1.97	0.00	N/A	N/A
PHMC Prime	367,152	0.00	0.00	0.00	0.00	0.78	0.32
RCP	171,193	1.17	0.00	1.17	0.00	0.60	0.10
RL TOTAL	842,909	0.95	0.00	0.95	0.00	0.75	0.28
EM AVG	14,624,964*	1.09*	0.48*	N/A	N/A	1.09*	0.48*



DOE / EM / RL - TRC & DART Case Comparisons

