

DOE's Largest Environmental Cleanup Closure Project

River and Plateau Committee Update on Work in the River Corridor

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*River Corridor
Closure Project*



U.S. Department of Energy
Richland Operations Office

Protecting the Columbia River

Agenda

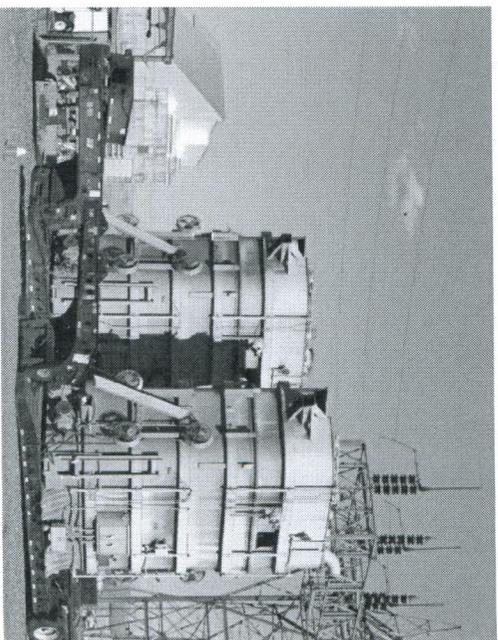
- 100 Areas Update
- 300 Area Update
- 340 Vault
- 309 Plutonium Recycle Test Reactor (PRTR)
- 324 Building Update
- Questions?

100 Areas Update

151B & 151D Switchyards:

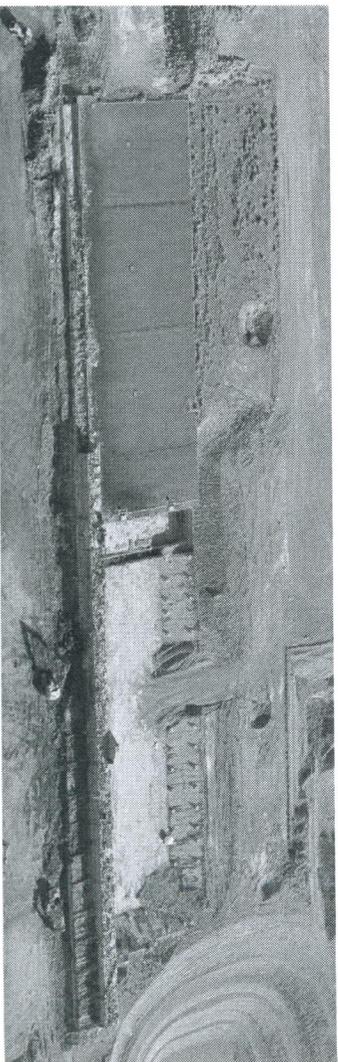
- Completed subcontractor recycling of approx. 295,000 lbs. of steel / 73,000 lbs. of copper from 12 transformers
- Demolition progressing on remaining equipment/ materials

- ## 183-D:
- Nearing completion on above-ground demo.
 - Performing final site clean-up activities
 - Complete backfill, summer 2014



(Below) Aerial 183-D 10/10/13 (Clearwell on Left to Remain for Bat Habitat)

- ## 100-N Anchor Blocks:
- Preparing site access roads to begin wire saw activities for removal



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300 Area Update

- Demolition of the 3760 Technical Library and above-ground demolition of the 326 Laboratory are complete; hazardous-material removal has begun on the 3790 Badge House

3760 Building
11/07/13

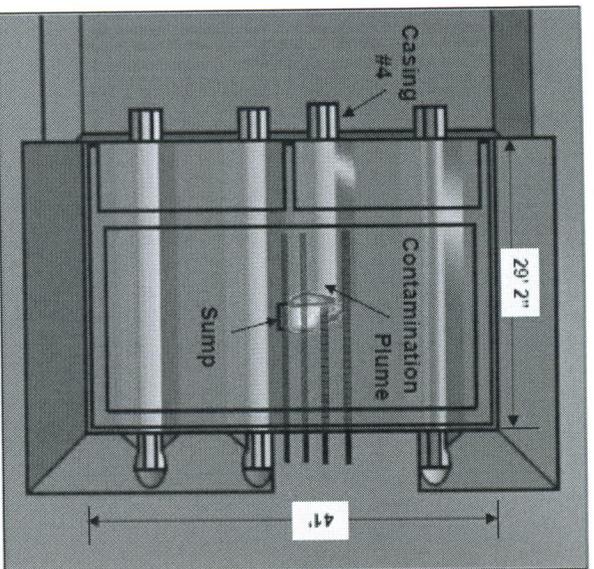
- Significant challenges remain, including the critical lifts for the 340 Vault and the 309 Test Reactor and the remediation of the contamination beneath the 324 Building

Aerial View: 10/10/13

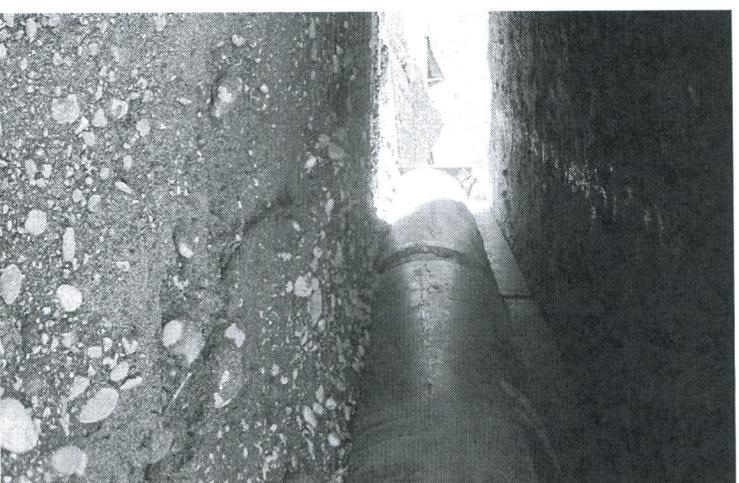
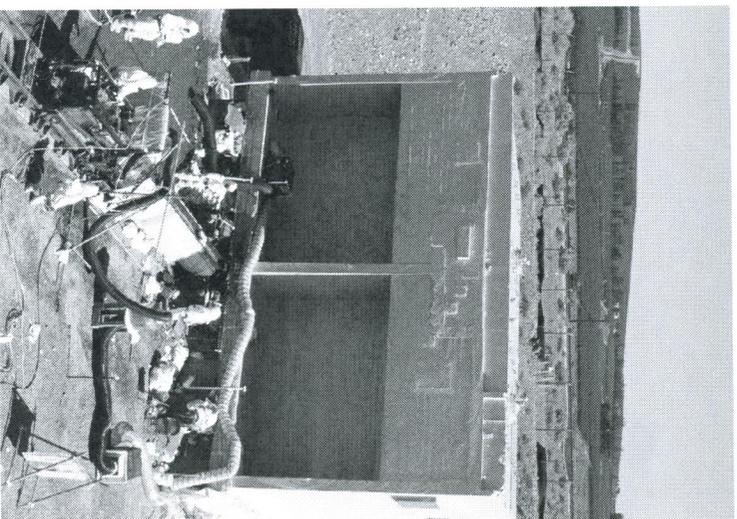


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340 Vault



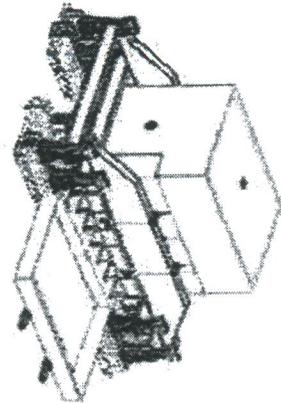
Contour map of radiation field in relation to the vault sump based on probe and casings readings (scale is approximate)



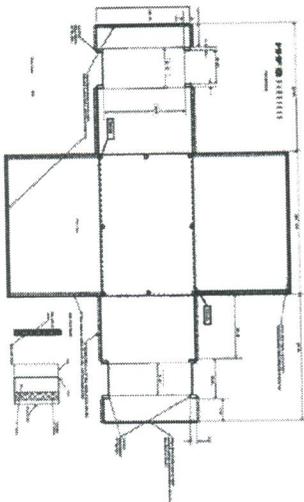
- Highly contaminated soil beneath the 340 Vault has been removed
- Preparations for the installation of the lifting beams is underway

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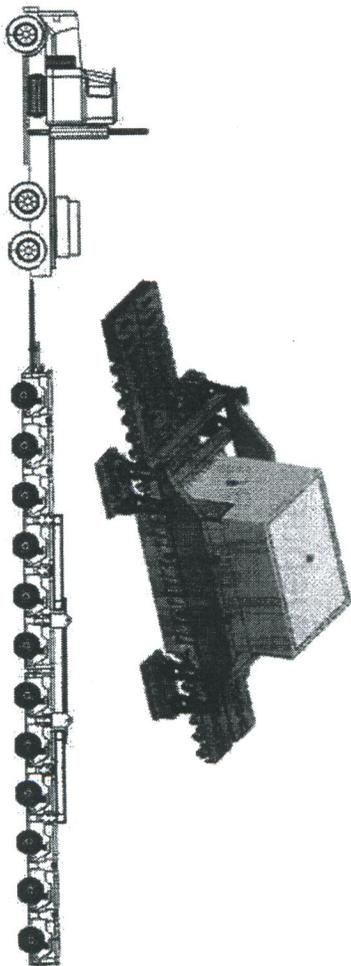
340 Vault Lift Plan



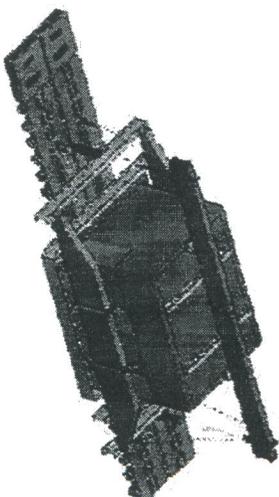
Pull Up Gantry (PUG) lifting system installed and IP-1 pan placed under the vault



The IP-1 soft-sided cover installed over the vault & the bottom grouted in place with the IP-1 pan



Transport trailer positioned under vault



Vault secured with girders for transport

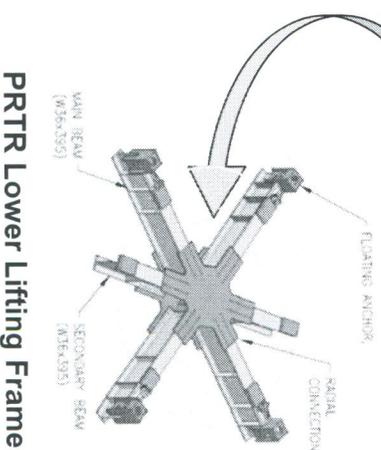
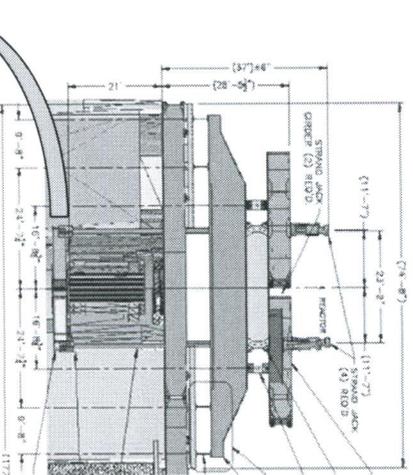
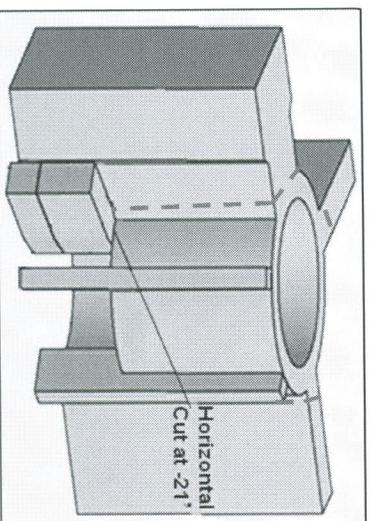
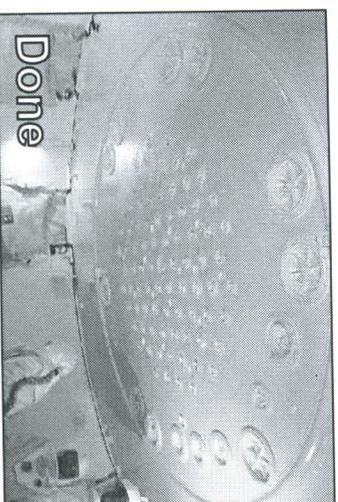
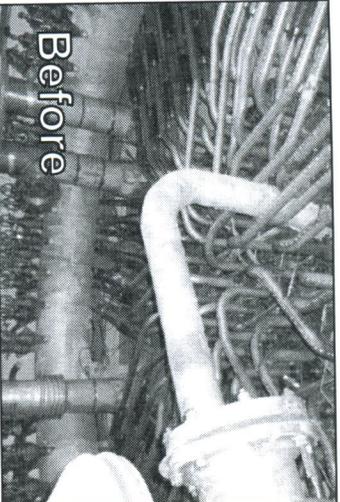
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309 Plutonium Recycle Test Reactor (PRTR)

- Completed interference/piping removal
- Completed macroencapsulation of bottom of PRTR with epoxy

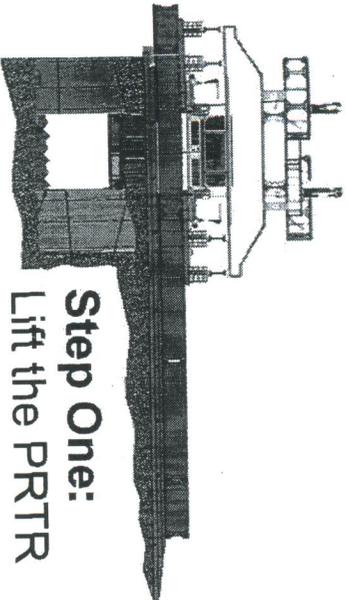
Preparing to:

- perform final concrete cuts
- install an interim structure 32 ft. below grade to assemble the 23-ton lower lifting frame in place.

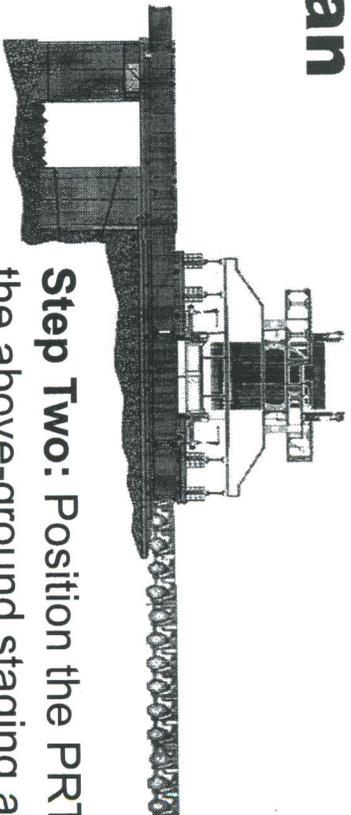


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309 PRTR Lift Plan

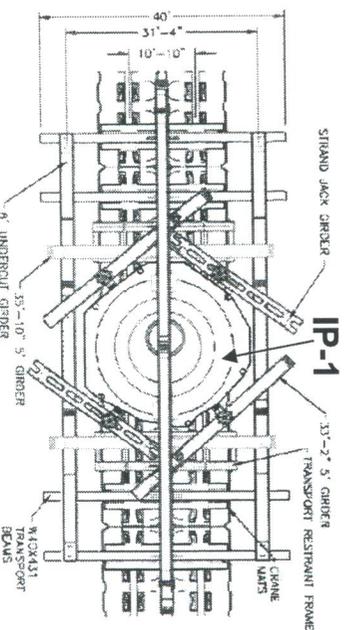
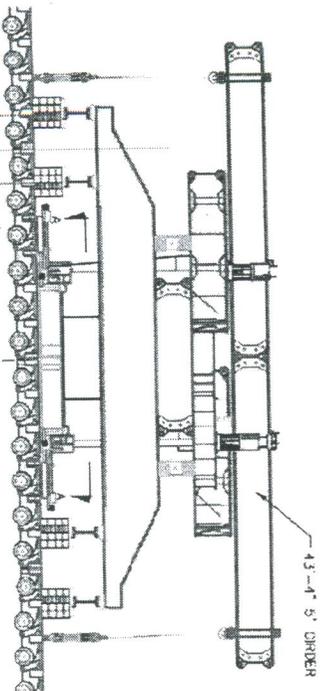


Step One:
Lift the PRTR



Step Two: Position the PRTR on the above-ground staging area

Step Three: Lift the PRTR
Step Four: Position the Goldhofer



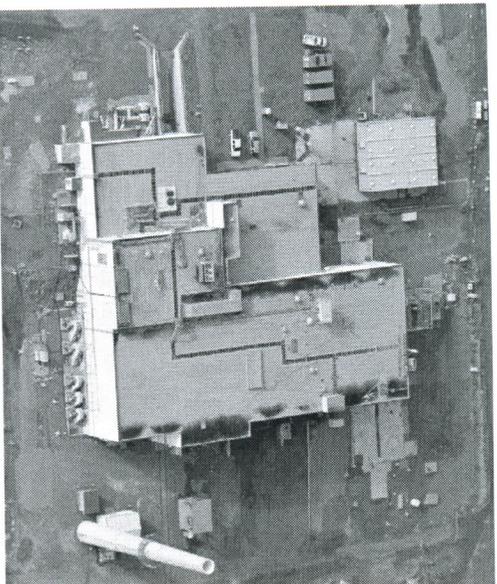
Step Six: Install IP-1 Waste Package cover

Step Seven: Secure PRTR onto Goldhofer

Step Eight: Prepare for transport to ERDF

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324 Building Update



The 324 Building team continues to perform surveillance and maintenance activities and has completed facility winterization/steam system repairs and startup.

Waste Site 300-296 Soil Contamination under 324 Building B-Cell Remediation

Subcontract :

- RFP complete: 3 project-team bidders
- Conducted pre-bid conference and site walkdown, August 27.
- Conducted oral presentations with bidders, November 6.
- Performing technical evaluations of proposals
- Expected award of subcontract, January 2014

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Questions?

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