

# American Recovery and Reinvestment Act Implementation at the Hanford Tank Farms

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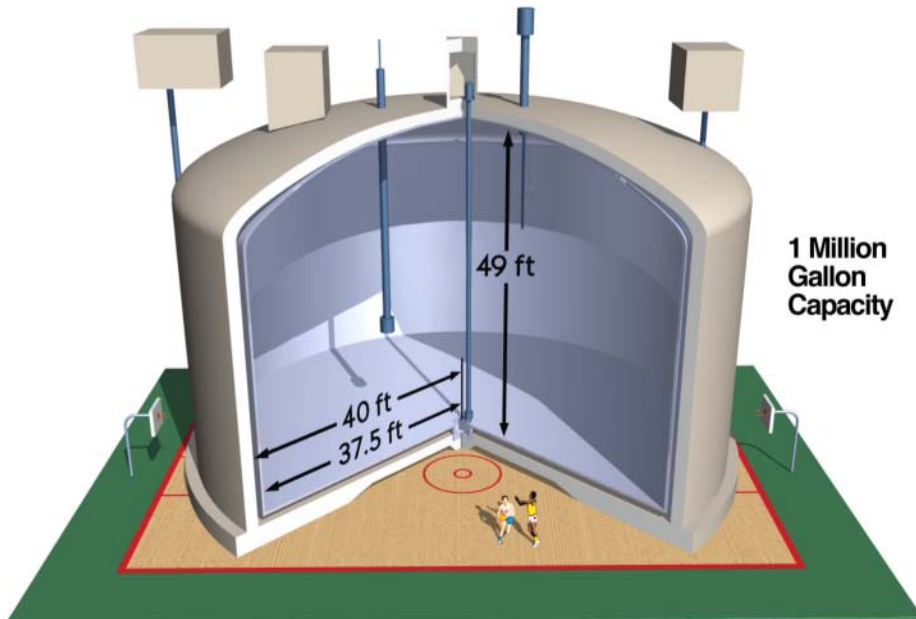
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# Tank Farms Contract



- \$7.1 billion, 10-year contract
- Our mission:
  - Reduce the risk posed by the 53 million gallons of radioactive and chemical waste stored in 177 underground tanks
  - Safely manage the waste and prepare it for processing
  - Commission and start up the Waste Treatment Plant

# The Tanks



- WRPS manages 177 underground waste storage tanks
  - 149 single-shell tanks, some dating back to 1943
  - 28 newer, safer double-shell tanks built between 1968-1986
- Tanks range in capacity from 55,000 to more than a million gallons
- 67 of the 149 older single-shell tanks are suspected “leakers”





# Recovery Work at the Tank Farms



## Recovery Act funding:

- \$326 million allocated through September 2011
- Over \$200 million spent through December 2010

## Key objectives include:

- Job/career creation
- Tank farm infrastructure upgrades
- Facility life extension
- Preparing to feed the WTP
- Creating a safer, more efficient work environment



# Major ARRA Projects



- **RA-1 Tank Farm Infrastructure Upgrades**

- AP/SY Farm Ventilation
- SY Farm Electrical Upgrades
- TY Farm Interim Barrier Installation
- AZ Farm Control System Upgrade

- **RA-2 Other Infrastructure Upgrades**

- Wiped Film Evaporator
- Mobile Arm Retrieval System Vacuum System
- Core Sampling System

- **RA-3 Facilities Upgrades**

- 242-A Evaporator & 222S Lab Upgrades/Life Extension
- Secondary Waste Form Testing

- **RA-4 Waste Feed Infrastructure Upgrades**

- DST Control Systems Update
- AZ Condensate Line Upgrade
- Tank Waste Mixing Demonstrations

- **RA-5 Waste Feed Transfer Lines Upgrades**

- 8 lines – 737 linear feet



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# Lessons Learned

- Established a Program Office to oversee the ARRA project
  - Strong teaming with DOE – ORP Federal Project Director and staff
  - Established an Integrated Project Team with representatives from all major functions
  - Proposal completed to Certified Cost Pricing guidance
  - Fully integrated the ARRA work into the WRPS Baseline
  - Develop and maintain a requirements matrix
- Opportunities for improvement:
- Define performance metrics sooner in process
  - Define the closure requirements earlier
  - Establish reporting guidance earlier
  - Retain proposal team participants as part of RA Program Office

