



# State of the Site 2004

# River Protection Project Mission Overview

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# Safety Culture

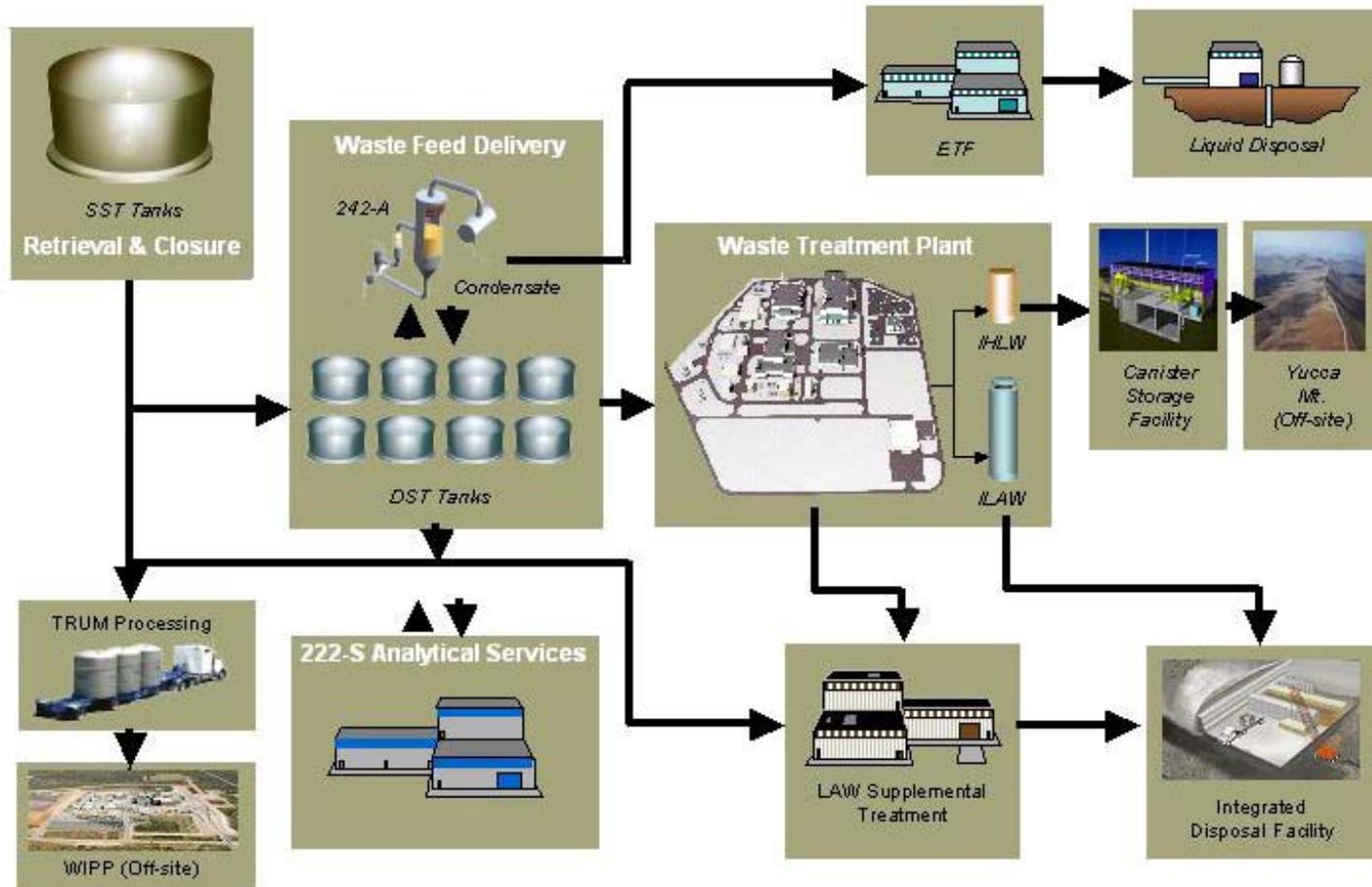
- Focus on continuous improvement; don't get complacent with success
- Institutionalize a learning organization
- Invest in system safety training and leadership training
- Demand a healthy pessimism – inquisitiveness
- Stick with basics – disciplined conduct of operations
- Safety programs must be visible, critical, empowered, and fully engaged
- Focus safety efforts on prevention



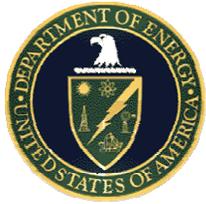
*Three aerial lifts being used to secure Pretreatment Facility*



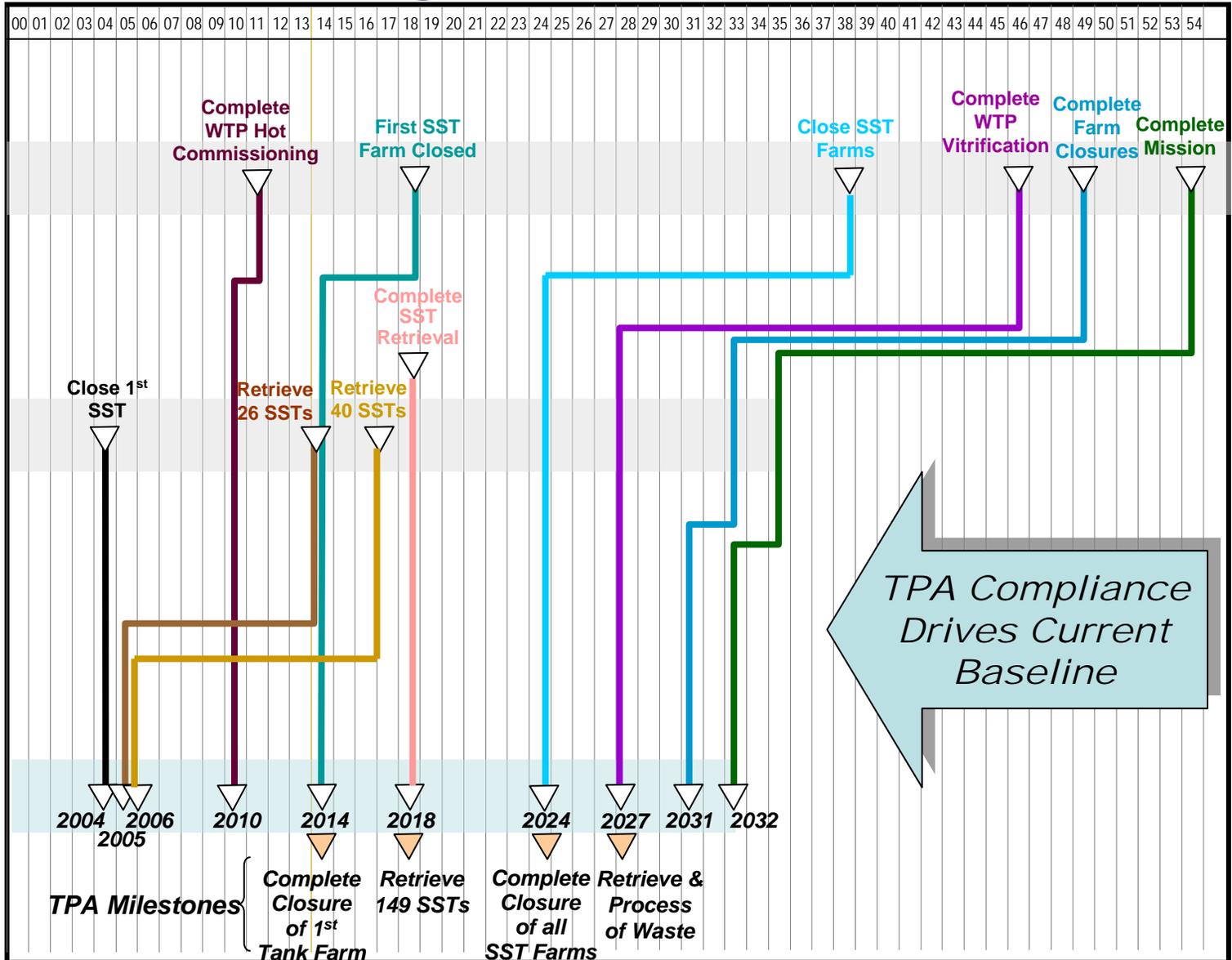
# The River Protection Project



**“Reducing risk to the worker, public and environment”**



# The Challenge





# *Waste Treatment Plant*



*Aerial view of Waste Treatment Plant*



# Waste Treatment Plant



***Initial rigging of the transfer spools between the Pretreatment Facility and the Low-Activity Waste Vitrification Facility***



# *Waste Treatment Plant*



*The Pretreatment Facility*



# Tank Waste Retrieval

**C-106 First Single-Shell Tank  
Emptied  
December 31, 2003**

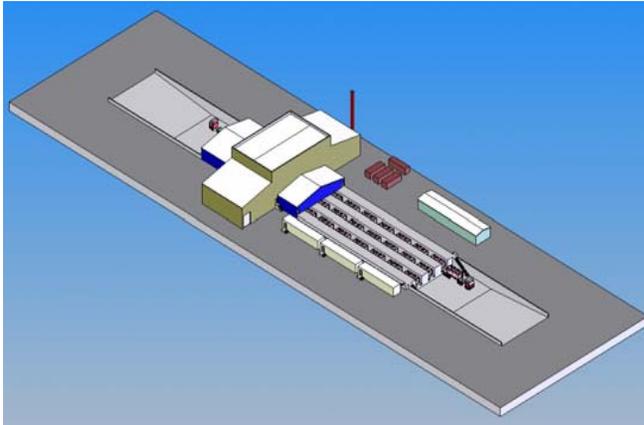


**Tank S-112 Waste Retrieval  
85% Complete**



# Supplemental Technology- Bulk Vitrification

Artist Concept of Facility



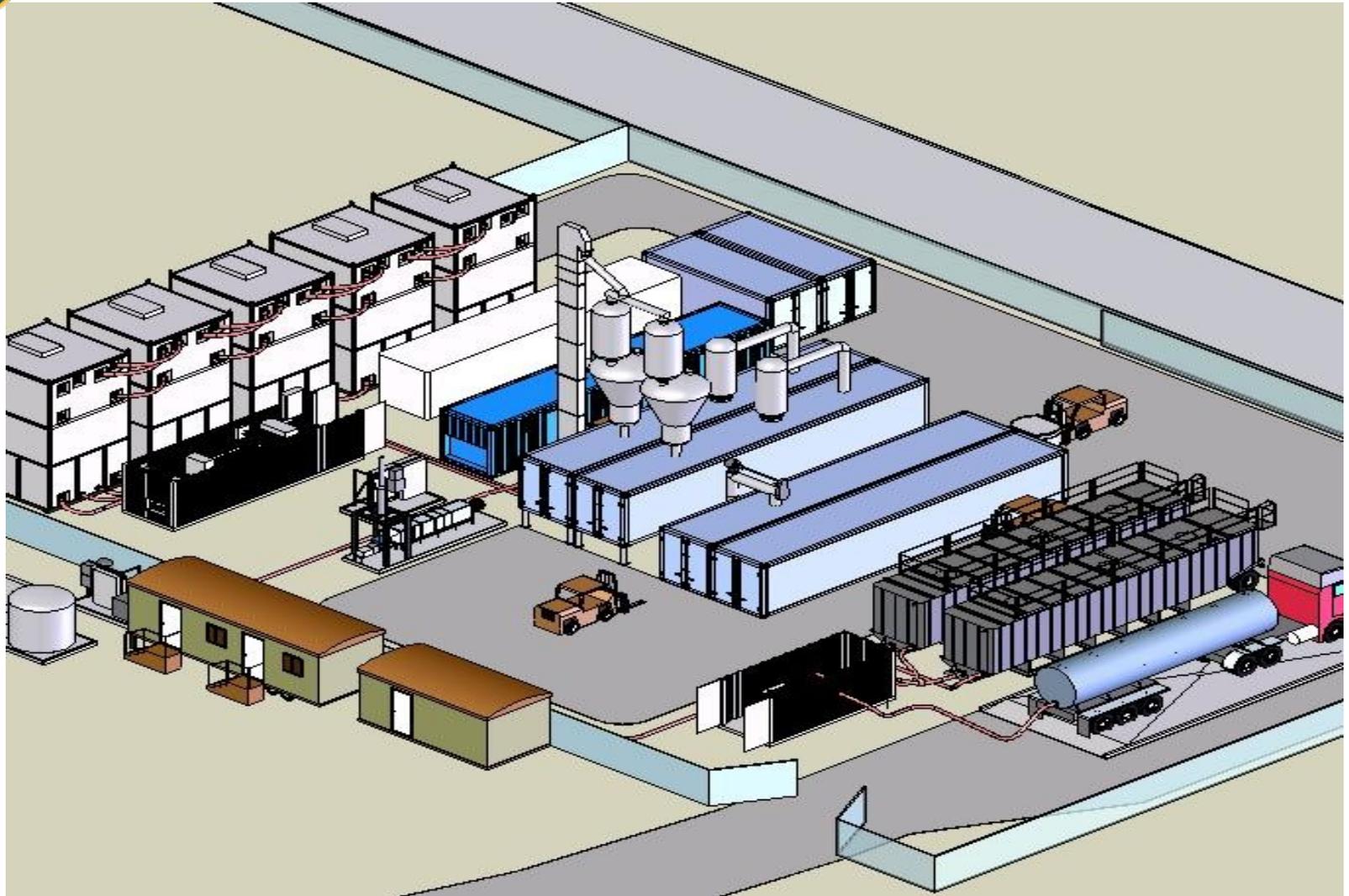
Bulk Vitrification Test Facility



In-Container Melter with  
Off-gas Hood



# Disposal of TRU Tank Waste





# ***Fiscal Year 2004 Planned Accomplishments***

- Complete approximately 75% of Waste Treatment Plant design and engineering
- Complete approximately 30% Waste Treatment Plant construction
- Commence commissioning activities with many of the support facilities, including the chiller plant, water treatment plant, and simulator building
- Start analytical laboratory construction
- Complete Interim Stabilization of remaining single-shell tank
- Complete Single-Shell Tank Waste Closure and Supplemental Treatment Environmental Impact Statement
- Demonstrate closure of at least one single-shell tank
- Retrieve 8-10 single-shell tanks