



# The U.S. Department of Energy's River Protection Project

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Office of River Protection

Nuclear Cleanup Caucus  
Briefing

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**Office of River Protection**



**CH2MHILL**  
Hanford Group, Inc.



**Bechtel National, Inc.**

# Safety Culture

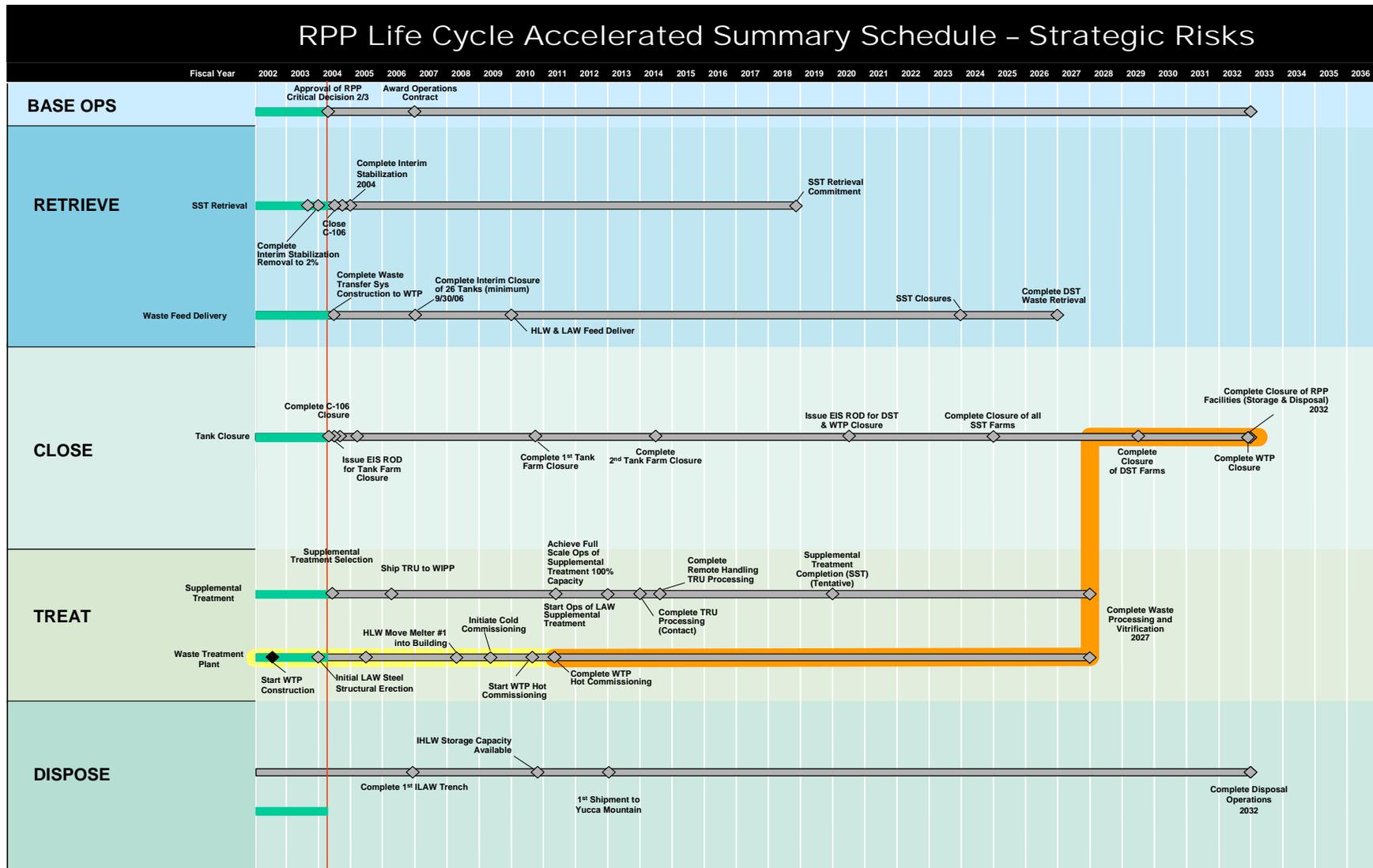


- Focus on continuous improvement; don't get complacent with success
- Institutionalize a learning organization
- Invest in system safety training and leadership training
- Demand a healthy pessimism – inquisitiveness
- Stick with basics – disciplined conduct of operations
- Safety programs must be visible,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



**Three aerial lifts being used to secure Pretreatment Facility**

# RPP Baseline



CHG0209-02 Amelia Island

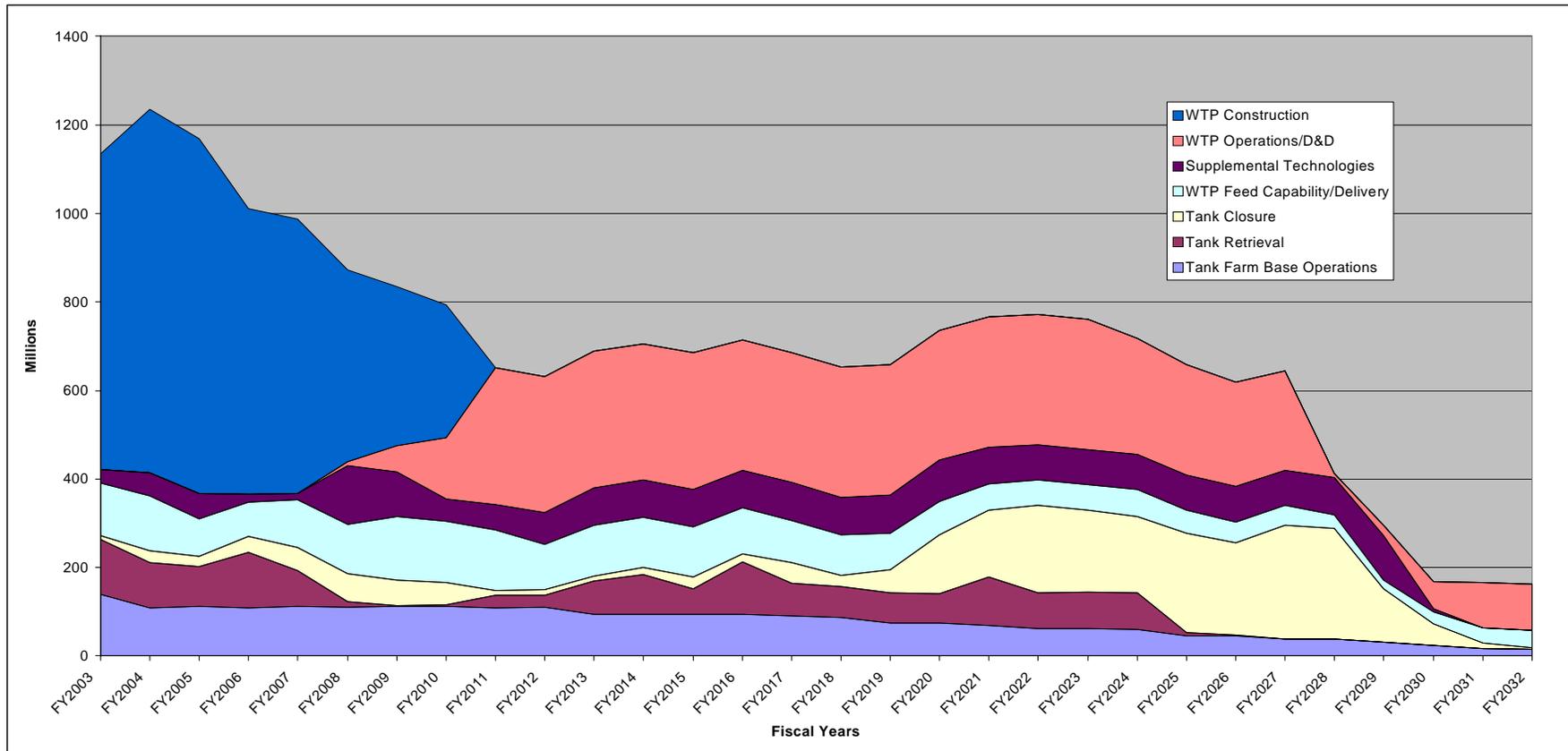
\*Note: Some baseline activities will not be implemented unless and until legal uncertainties associated with the Idaho District Court decision are satisfactorily resolved.

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

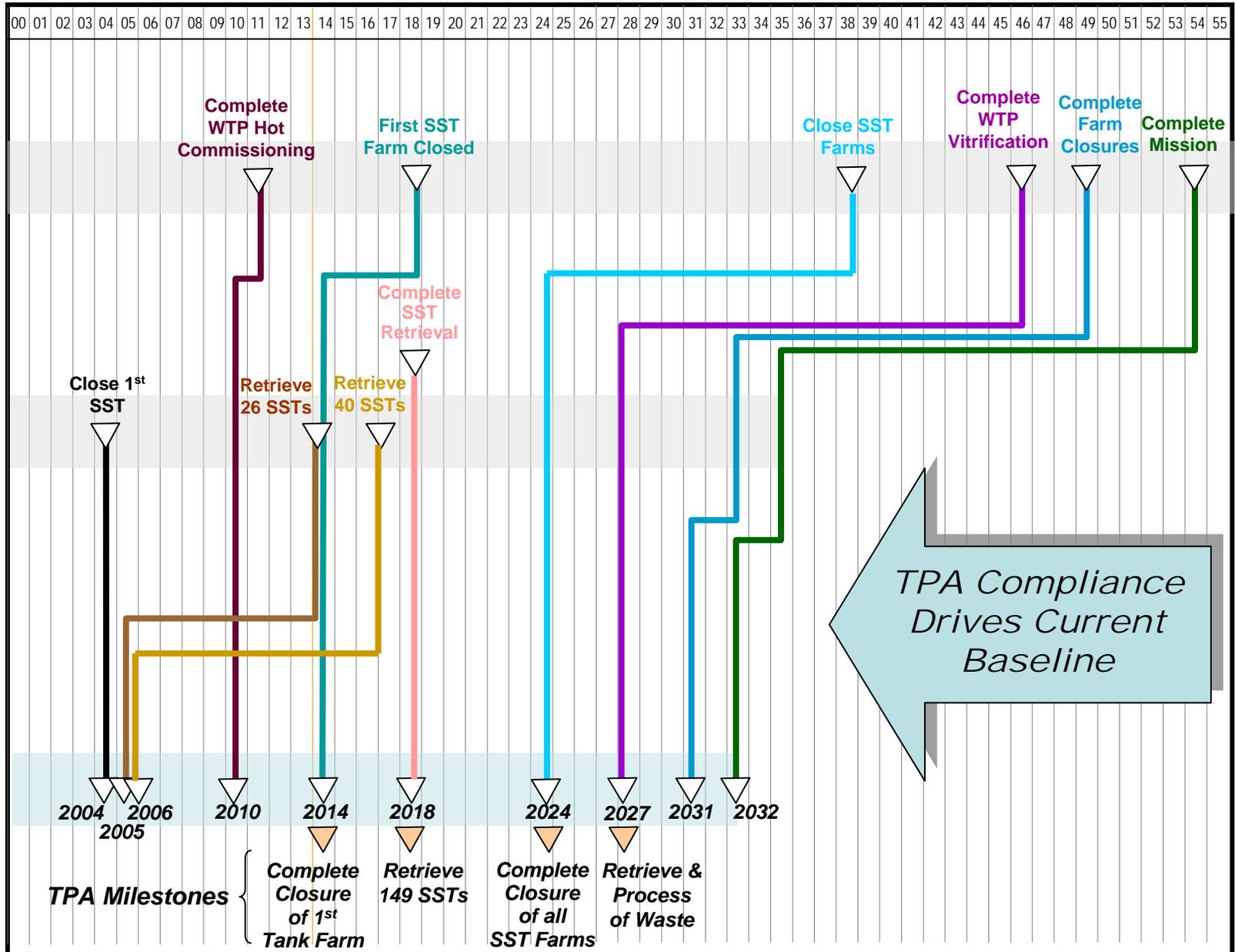
# Integrated Life-Cycle Cost Profile Of RPP Baseline



Tank Farm Project and WTP Projected Costs for  
Managing/Closing Hanford's Single/Double Shell Tanks  
Total Cost - \$28 billion (escalated dollars)



# TPA -- The Challenge





# *Accomplishments to Date*

- Emptied 1<sup>st</sup> tank, C-106 – 2<sup>nd</sup> tank S-112 85% emptied
- 500 gallons to go on pumpable liquids transfer from SSTs to DSTs
- Identified supplemental treatment technology (Bulk Vitrification) to handle remaining 60% low-level waste
- Completed the TRU waste transfer line from Tank Farms to WTP
- Moved the 222-S Lab and Evaporator under RPP scope
- WTP
  - Engineering 61% complete
  - Construction 23 % complete



## ***FY 2004 Upcoming Work Objectives***

- Empty 8-10 SSTs
- Continue engineering work for selection of supplemental low-activity waste treatment technology
- Continue procurement for potential construction of the retrieval dry packaging facility
- Start construction of the WTP Analytical Laboratory
- Evaluate additional uses for LERF, CSB, and infrastructures, as appropriate



# *RPP Outlook*

- RFP for Analytical Services released with proposals due late-March 2004 (Small Business Set-Aside)
- Long-term Tank Farm and WTP Operations contracts will be in place before FY 2007
- Optimizing cleanup strategy and schedule
  - Full scale bulk vitrification
  - TRU tank waste removal and disposal at WIPP
  - Maximize retrieval/closure of SST's
  - **BUT, present legal uncertainty with tank waste classification is impeding us from implementing our cleanup strategy**