

Waste Treatment Plant Project

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WTP Year in Review Video



Building the World's Largest and First-of-a-Kind Nuclear Waste Processing Plant

WTP Focus is on Worker Safety

- Changing behaviors to eliminate safety events
 - -Training all supervisors in Safety Leadership
 - Forging Safety Alliance with Building Trades
 - Applying for Voluntary Protection Program Star Status
- Personally involved workforce
- Expanded and enhanced case management practices





2006

Evaluating and Validating

2007

Implementing change and building momentum

2008

Sustaining progress and restoring confidence







Restoring Credibility and Confidence

- Nuclear Safety and Quality
 - Strengthened focus on procedures, training, and rigor of operation



- Cost and Schedule Baseline
 - Prepared new bottom-up estimate and schedule
 - Validated by industry experts, Army Corp of Engineers, DOE
- Technical Baseline (Process Flow Sheet)
 - In-depth review by team of industry experts
 - 28 process, operational, reliability, or capacity considerations
 - Improvement actions

Strengthening Nuclear Safety and Quality Culture

Developed a structured approach to Culture Change

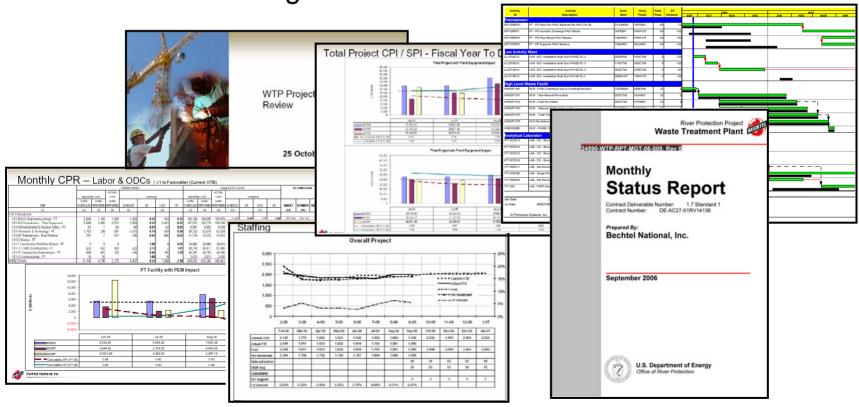
Behaviors
Procedures
Training
Oversight and Assessment

- Developed and implemented additional quality analysis tools and metrics
- Increased employee communications to instill
 - Questioning attitude
 - Balanced priorities
 - Discipline of operations
 - Procedure adherence
- Implemented comprehensive one-step issue reporting system

Implementing an Earned Value Management System

 Defense Contract Management Agency review completed December 2006

Final certification targeted for Fall 2007

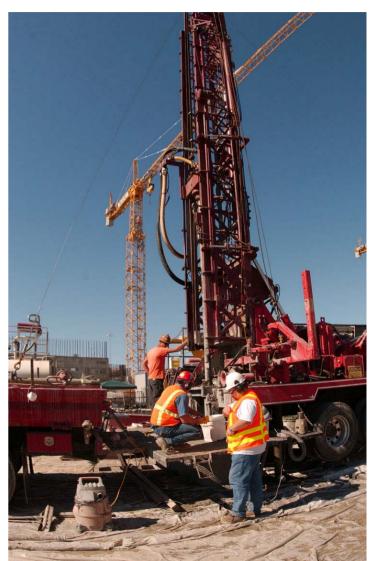




Confirming Seismic Ground Motion Criteria

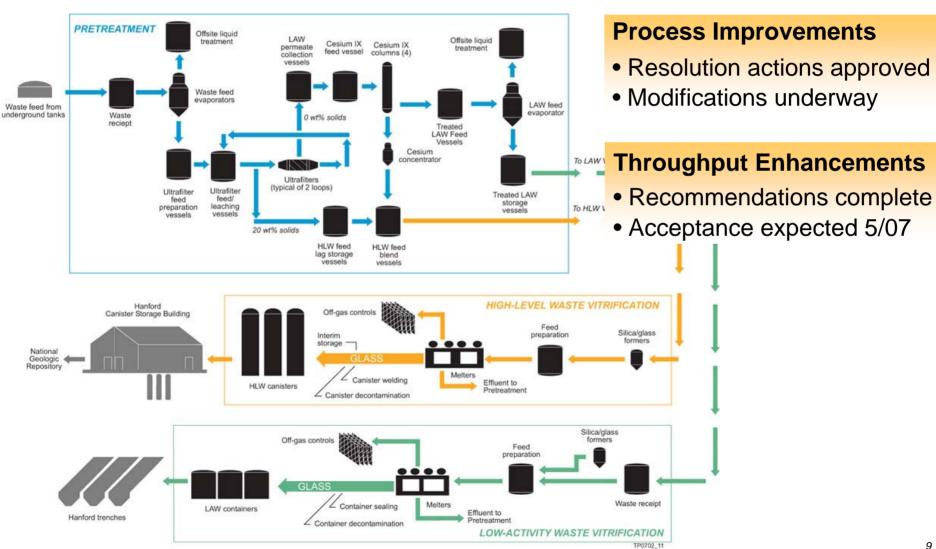
- Data collection complete
- Analysis and certification by Secretary of Energy - June 2007







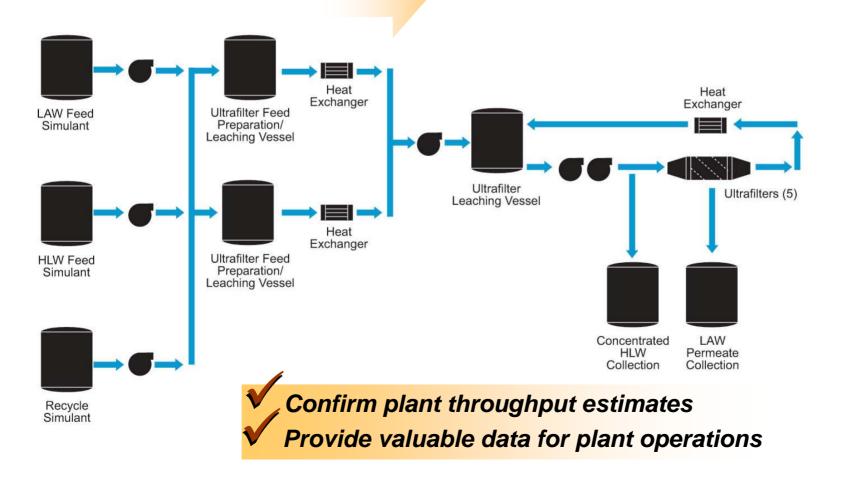
Addressing Technical Considerations



Addressing Technical Considerations

Design and Construct
Integrated Test Platform

Demonstrate leaching and ultra-filter capabilities



Continuing Physical Progress



Project 37% Complete

Low-Activity Waste (LAW) Facility



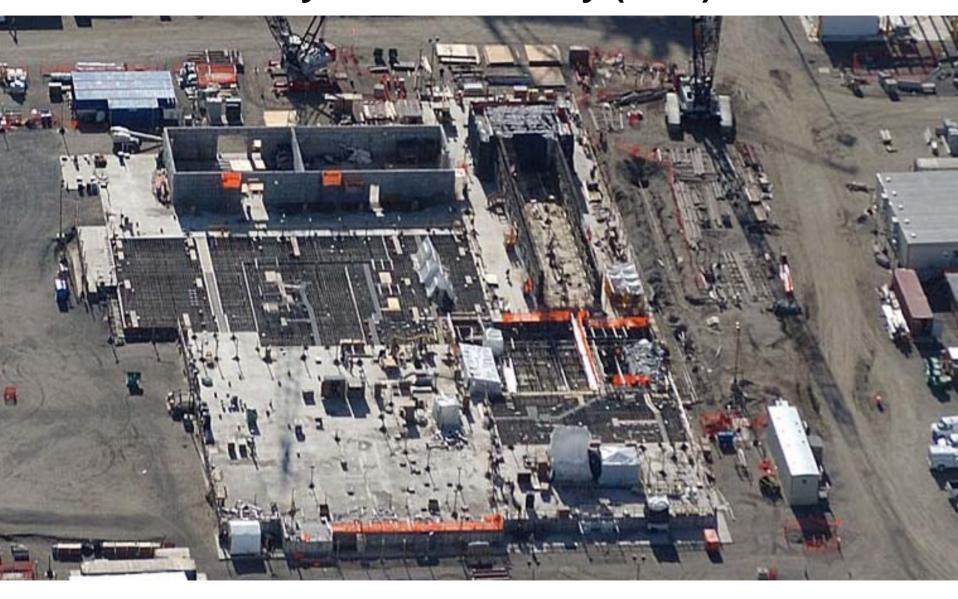
Low-Activity Waste Facility

87% Engineered

63% Procured 48% Constructed



Analytical Laboratory (LAB)



Analytical Laboratory

70% Engineered 49% Procured 27% Constructed



Balance of Facilities (BOF)

Chiller Compressor Plant



Balance of Facilities

77% Engineered

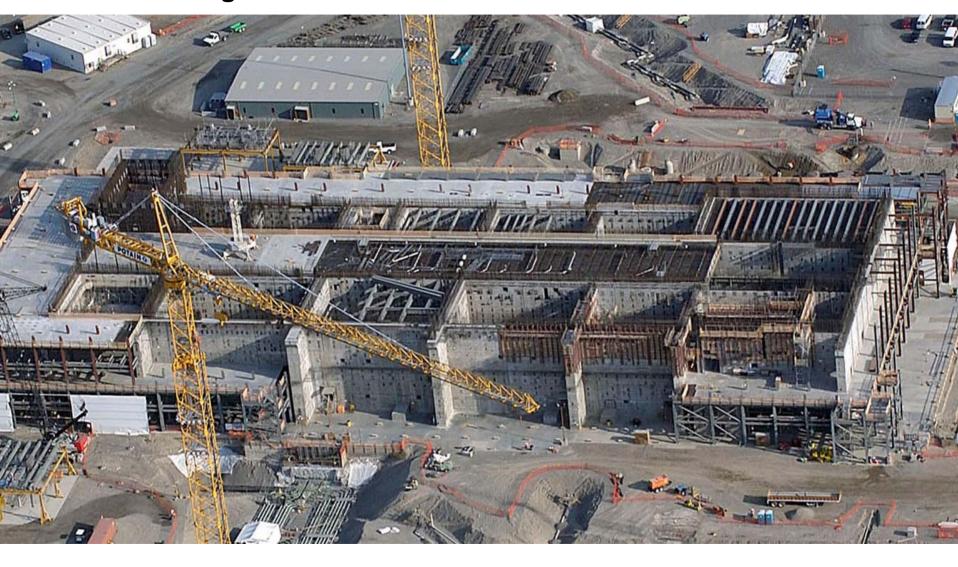
41% Procured

58% Constructed



Pretreatment (PT) Facility

63% Engineered 37% Procured 24% Constructed



Addressing technical and seismic considerations

High-Level Waste (HLW) Facility

75% Engineered 40% Procured 17% Constructed



Addressing seismic considerations

Building the Momentum

- Continue to build a strong nuclear safety and quality culture
- Advance project while final seismic criteria is confirmed
 - Accelerate construction on Low Activity Waste,
 Balance of Facilities and Analytical Lab
 - Mobilize for Pretreatment and High Level Waste construction in FY 2008
 - Continue engineering on all five facilities
- Achieve Earned Value Management System certification
- Address all technical considerations and make capacity recommendation to DOE
- Confirm seismic criteria for final decision

