



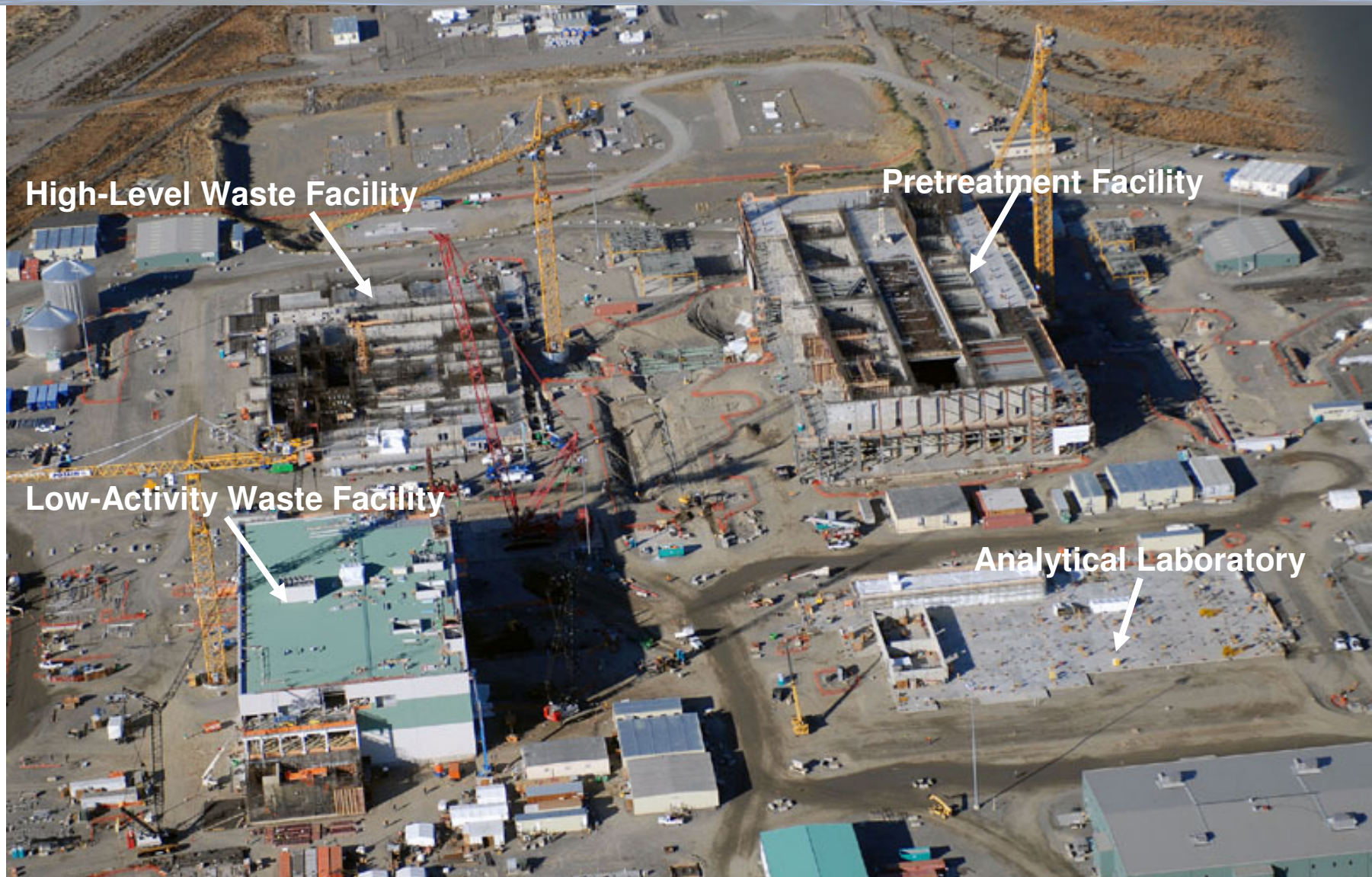
Shirley J. Olinger - Deputy Manager

U.S. Department of Energy
Office of River Protection

February 2, 2007
Hanford Advisory Board



Waste Treatment and Immobilization Plant



Project 37% Complete

Hanford Advisory Board Agency Update – Office of River Protection



Low-Activity Waste (LAW) Facility

- ❖ Completed heating, ventilation and air conditioning (HVAC) ductwork and fire protection piping design
- ❖ Enclosing LAW with permanent roofing/siding to protect facility and contents
- ❖ Completing fireproofing
- ❖ Installing major equipment (e.g., export bay crane, finishing line cranes and hoists, melter buss duct, off gas scrubber, fan coil units, water vessels)
- ❖ Setting stack with exhaust flues



87% Engineered

63% Procured

48% Constructed



Analytical Laboratory (LAB)

- ❖ Completed Basemat concrete/Hot Cell concrete
- ❖ Initiated erection of LAB structural steel
- ❖ HVAC ductwork and hanger fabrication underway



70% Engineered

49% Procured

27% Constructed



Balance of Facilities

- ❖ Completed Glass Former Facility foundation
- ❖ Completed Phase 1 foundations for inter-facility pipe racks
- ❖ Equipment installation, piping and electrical activities underway in Water Treatment and Chiller/Compressor facilities
- ❖ Work underway on waste transfer lines between Pretreatment and High-Level Waste



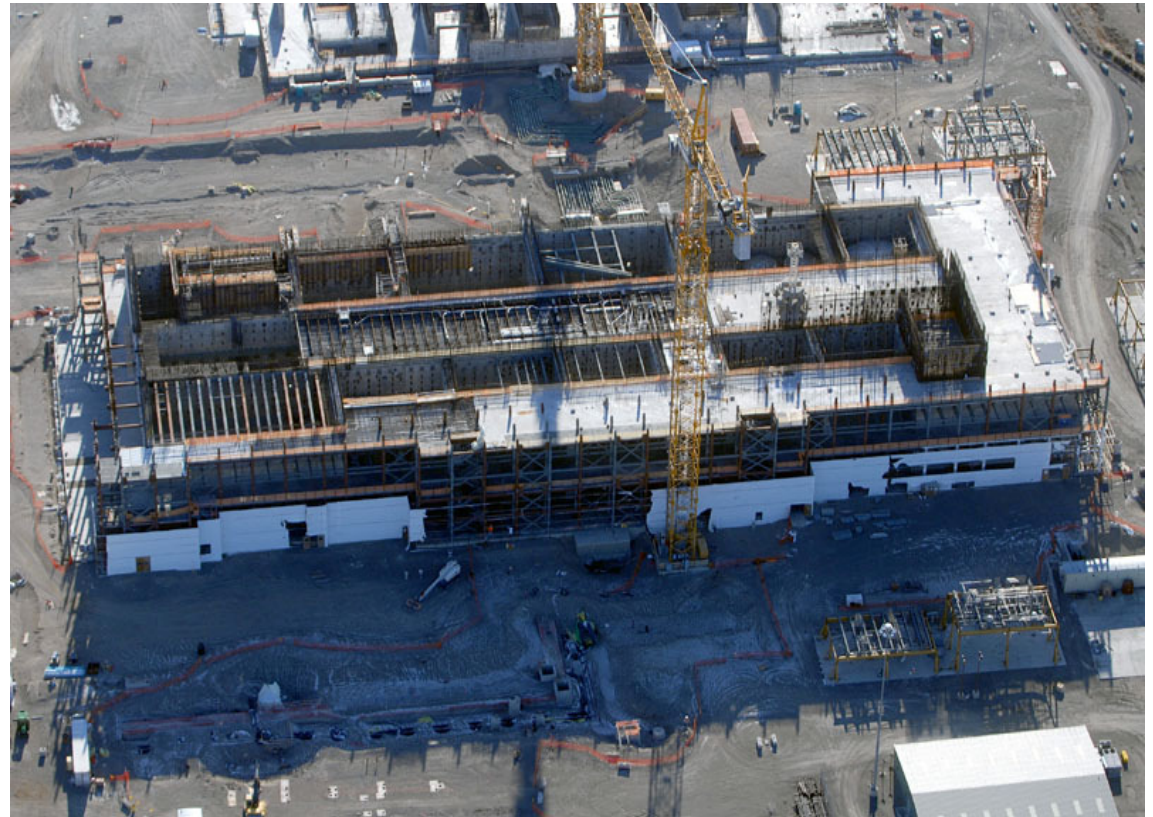
77% Engineered 41% Procured 58% Constructed

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Pretreatment Facility

- ❖ 28 issues were identified by the External Flowsheet Review Team (EFRT) with most of them applying to Pretreatment
- ❖ All EFRT issue Response Plans have been approved by DOE
- ❖ Preparing EFRT/capacity modification design documents and baseline changes to complete production engineering of required plant modifications
- ❖ Continuing design and procurement support to allow release of construction activities in Fall 2007.



63% Engineered

37% Procured

24% Constructed



High-Level Waste Facility

- ❖ Completed Seismic Ground Motion criteria mods/recommended changes; impacts appear minor
- ❖ Continuing design and procurement support to allow release of construction activities in Fall 2007

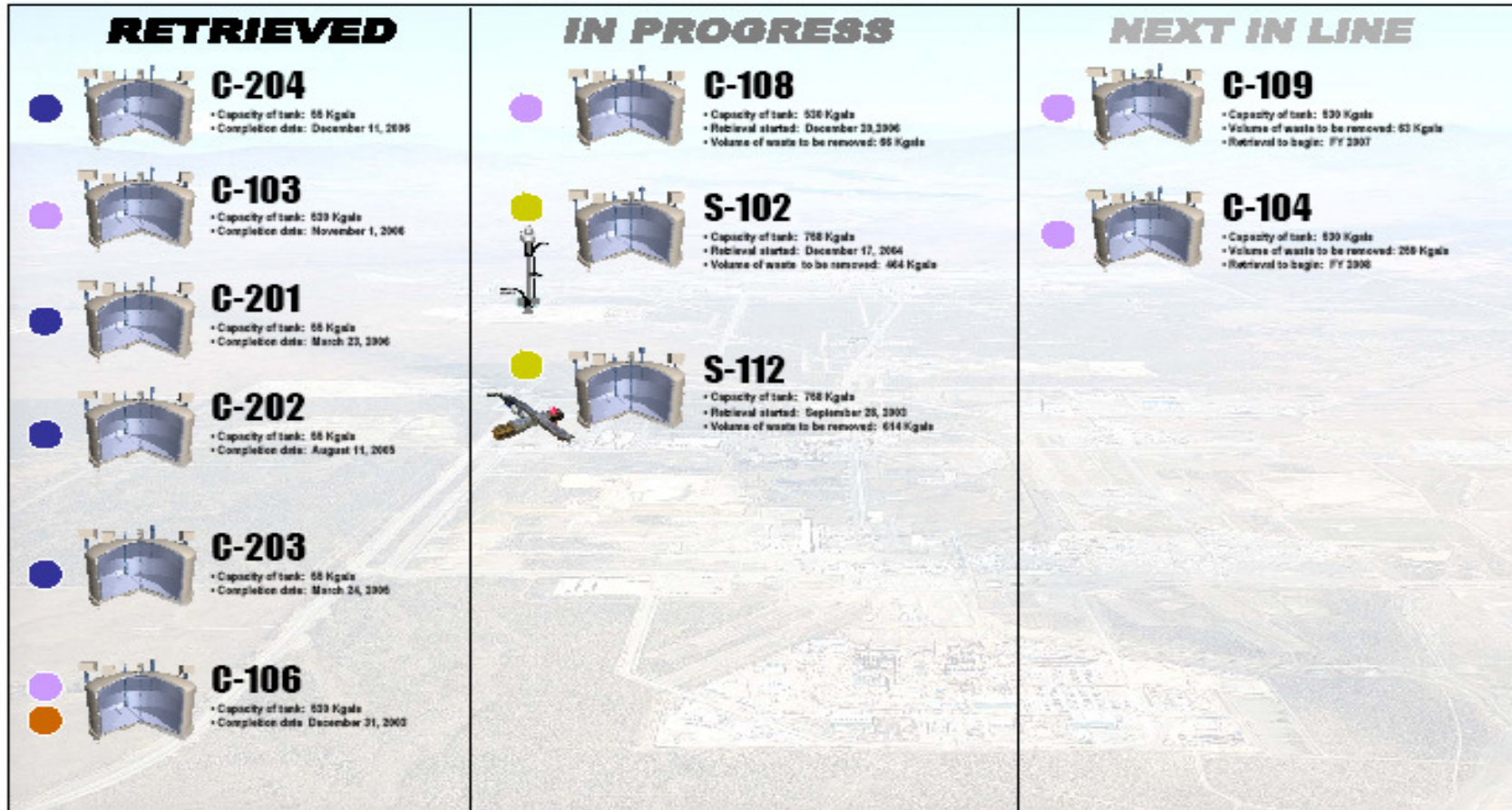


75% Engineered

40% Procured

17% Constructed

Retrieval Summary Updated through January 3, 2007



● Acid Dissolution

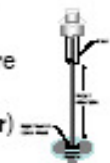
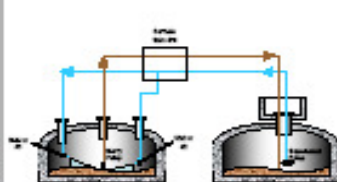
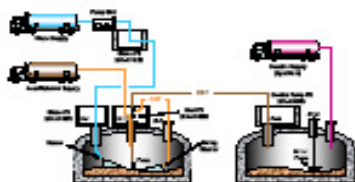
● Modified Sluicing

● Vacuum Retrieval

● Saltcake Dissolution

Remote Water Lance (Salt Mantis)

High Pressure Mixer (Rotary Viper)



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Demonstration Bulk Vitrification System

- ❖ CD-0/1 approved by DOE-HQ on July 2006
- ❖ CD-2 planned for summer 2007
- ❖ External Review Report issued September 28, 2006
- ❖ Revising Project Improvement Plan to address External Review Panel (ERP) comments sent January 31, 2007
- ❖ Issue Project Improvement Plan March 2007
- ❖ Activities being done are:
 - 130 Liter Dryer Test begins February 2007
 - Full Scale Dryer Test begins May 2007
 - Integrated Dryer/38D Melt begins June 2007



CH2M HILL Hanford Group, Inc. Quarterly Safety Rates Summary

	1st Qtr CY 05	2nd Qtr CY 05	3rd Qtr CY 05	4th Qtr CY 05	1st Qtr CY 06	2nd Qtr CY 06	3rd Qtr CY 06	4th CY 06
Total Recordable Case Rate	4.35	4.27	3.78	3.43	2.91	1.72	1.41	1.26
Days Away, Restricted, or Transferred (DART) Case Rate	2.86	3.10	2.82	2.59	1.77	0.62	0.25	0.25
Lost Workday Case Rate	1.25	1.40	1.32	1.36	0.92	0.39	0.25	0.25

12 Month Rolling Average Case Rates
Data as of December 31, 2006



Tank Closure and Waste Management (TC&WM) Environmental Impact Statement (EIS) Update

Technical Work:

- ❖ The Model Technical Review Group (MTRG) is made up of independent experts whom will provide guidance to the TC&WM EIS contractor on the development of the groundwater model.
- ❖ Four MTRG Meetings have been scheduled:
 1. Preliminary Model – December 4-6, 2006
 2. Model Calibration
 - ❖ February 5, 2007 – 3:00 p.m. – 4:00 p.m.
 - ❖ February 8, 2007 – 5:00 p.m.
 3. Field Data Comparison
 - ❖ March 26, 2007 – 3:00 p.m. – 4:00 p.m.
 - ❖ March 29, 2007 – 5:00 p.m.
 4. Model Sensitivity
 - ❖ April 23, 2007 – 3:00 p.m. – 4:00 p.m.
 - ❖ April 26, 2007 – 5:00 p.m.

Workshops:

- ❖ Additional workshops will be held in support of the TC&WM EIS. These meetings and workshop will discuss the following topical areas.
 - Workshop on Alternative and Cumulative Analysis – February 15, 2007
 - Vadose Zone and Groundwater – April 16, 2007
 - TBD* – June 15, 2007
 - TBD* – September 17, 2007

*Based on Input received from Stakeholders



Budget

- ❖ Currently, the Office of River Protection is under a Continuing Resolution (CR) through February 15, 2007
 - Congress plans on implementing a full year for CR
 - Anticipated funding levels for the CR are:
 - Tank Farms at \$274 million
 - Waste Treatment Plant at \$690 million
 - Hanford Advisory Board at \$471 thousand
- ❖ President's Budget roll-out is expected on February 5, 2007
- ❖ The ORP does not expect any negative impact from this anticipated CR



Back-up slides

Tank Closure and Waste Management (TC&WM)
Environmental Impact Statement (EIS)
Tribal, Stakeholder, and Public – Information Opportunities



The U.S. Department of Energy wants to keep you informed on the continued progress with the TC&WM EIS. As the Public Involvement and agency coordination work evolves, it is important to inform you about opportunities to get information on the TC&WM EIS.

The Model Technical Review Group (MTRG) is made up of independent experts whom will provide guidance to the TC&WM EIS contractor on the development of the groundwater model. The public, Tribes, and others are invited to listen to discussions on the following topics:

MTRG Meetings	Initial Meeting Date	Final Meeting Date	Location
Preliminary Model	December 4, 2006 9:00 a.m. - 10:00 a.m. 509-376-7411 or 1-800-664-0771, 0	December 6, 2006 5:00 p.m. (call-in) 509-376-7411 or 1-800-664-0771, 0	SAIC Conference Room 3250 Port of Benton Blvd., Richland, WA
Model Calibration	February 5, 2007 3:00 p.m. - 4:00 p.m. 509-376-7411 or 1-800-664-0771, 0	February 8, 2007 5:00 p.m. (call-in) 509-376-7411 or 1-800-664-0771, 0	WA State Dept of Ecology 3100 Port of Benton Blvd., Richland, WA
Field Data Comparison	March 26, 2007 3:00 p.m. - 4:00 p.m. 509-376-7411 or 1-800-664-0771, 0	March 29, 2007 5:00 p.m. (call-in) 509-376-7411 or 1-800-664-0771, 0	WA State Dept of Ecology 3100 Port of Benton Blvd., Richland, WA
Model Sensitivity: Contact information:	<p>Mary Beth Burandt, Document Manager U.S. Department of Energy, Office of River Protection P.O. Box 450, Mail Stop 509-60 Richland, WA 99352 509-376-7411 or 1-800-664-0771, 0 TC&WMEIS@saic.com Fax: 509-376-7701 – Phone: 888-829-6347</p>		WA State Dept of Ecology 3100 Port of Benton Blvd., Richland, WA

To view related documents on the EIS visit: <http://www.hanford.gov/orp/?page=146&parent=14>

Tank Closure & Waste Management Environmental Impact Statement

Public Information Outreach Plan

Approximate Meeting Date	Activity	Topic	Participant
December 6-8, 2006	Technical Review Group Meeting	Preliminary Model	Native American Tribes, Stakeholders, HAB
February 1-2, 2007	Hanford Advisory Board Meeting in Richland	As requested	HAB, public
February 5, 2007 February 8, 2007	Technical Review Group Meeting	Model Calibration	Native American Tribes, Stakeholders, HAB
Week of February 12 2007	Outreach	Quarterly Outreach with Native American Tribes—suggestions welcome	Native American Tribes
February 15, 2007	Workshop	Alternatives and Cumulative Analysis	Native American Tribes, Stakeholders, HAB
March 26, 2007 March 29, 2007	Technical Review Group Meeting	Field Data Comparison	Native American Tribes, Stakeholders, HAB
April 5-6, 2007	Hanford Advisory Board Meeting in Portland	As requested	HAB, public
April 16, 2007	Workshop	Vadose Zone and Groundwater including stakeholder concerns	Native American Tribes, Stakeholders, HAB
April 23, 2007 April 26, 2007	Technical Review Group Meeting	Model Sensitivity	Native American Tribes, Stakeholders, HAB
Week of May 14, 2007	Consultation	Quarterly Consultation with Native American Tribes	Native American Tribes
June 7-8, 2007	Hanford Advisory Board Meeting in Richland	As requested	HAB, public
June 15, 2007	Workshop	Stakeholder suggestions welcome	Native American Tribes, Stakeholders, HAB

Tank Closure & Waste Management Environmental Impact Statement

Public Information Outreach Plan

Approximate Meeting Date	Activity	Topic	Participant
July 12, 2007	Technical Review Group Meeting	MTRG Meeting on Final Report	Native American Tribes, Stakeholders, HAB
July 31, 2007	Milestone	MODFLOW Flow Field	Native American Tribes, Stakeholders, HAB
Week of August 13, 2007	Outreach	Quarterly Outreach with Native American Tribes	Native American Tribes
September 6-7, 2007	Hanford Advisory Board Meeting in Seattle	As requested	HAB, public
September 17, 2007	Workshop	Stakeholder suggestions welcome	Native American Tribes, Stakeholders, HAB
November 1-2, 2007	Hanford Advisory Board Meeting in Richland	As requested	HAB, public
Week of November 12, 2007	Outreach	Quarterly Outreach with Native American Tribes	Native American Tribes
February 2008	Milestone	Publish Draft EIS	Native American Tribes, Stakeholders, HAB, public



Office of River Protection's Path Forward for Fiscal Year 2007

- ❖ Continue Single-Shell Tank retrievals
- ❖ Work on resolution of the WTP technical issues
- ❖ Continue with Low-Activity Waste Vitrification, Laboratory, and Balance of Facility Design and Construction
- ❖ Continue with Pretreatment and High-Level Waste Vitrification design
- ❖ Prepare for construction restart on the Pretreatment and High-Level Waste Vitrification facilities,
- ❖ Obtain CD-2/3 for the Demonstration Bulk Vitrification System