Project Plans for Fiscal Year 2002-2003
Performance Assessment and Design

Presented to:
Nuclear Waste Technical Review Board

Presented by:
Nancy Williams
Manager of Projects
Bechtel SAIC Company, LLC.

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License Application Planning Overview

• Overall planning goal is to submit a License Application (LA) by December 2004

• Three general work areas: Performance Assessment (PA), Repository Design and LA

• Greatest challenge: Refinement of PA scope (includes testing, modeling, and analysis)
  – Emphasis on a sound technical basis for the LA
  – Organizational changes to improve integration
License Application Planning Overview
(Continued)

- Repository design will be refined from the Site Recommendation (SR) for operational needs and level of detail for the Nuclear Regulatory Commission (NRC) Licensing

- LA Development will include coordination of the NRC’s Yucca Mountain Review Plan, Key Technical Issue agreements and ongoing scientific investigations
LA Plan Key Milestones

**SR/Licensing**
- Site Recommendation to President: Feb 02
- Prioritize KTI Agreements: Apr 02
- Site Designation (Assumed for planning basis): Jul 02
- Nevada Disapproval: Apr 02

**Strategic/Programmatic**
- LA Plan Approach: Nov 01
- TSPA Strategy & Project Implementation Guidance: Dec 01
- Baseline Change Proposal (Baseline to LA): Mar 02
- CD-1 Milestone - Start Preliminary Design: Sep 02
- CD-2 Milestone - Start Final Design: Jul 04

**Design**
- Subsurface Layout Evaluation Complete: Dec 01
- Conceptual Design Evaluations Complete (Input to PA) & Requirements Established: Apr 02
- Conceptual Baseline Update: Sep 02
- Confirmatory Design Inputs to TSPA-LA: Oct 02
- PSA for LA Complete: Oct 03
- Complete Preliminary Design: Jan 04

**Performance Assessment & Modeling**
- Conceptual Design and Initial Test Inputs to Process Models: Apr 02
- Process Model & Abstraction Updates Complete: Mar 03
- TSPA-LA Models & Analyses Complete: Oct 03
- TSPA-LA Complete: May 04

**Testing**
- Early Test Feeds & Bounds: Mar 02
- Confirmatory Test Feeds to TSPA-LA: Oct 02