ATTACHMENT 4

License Application Status

Presented to:
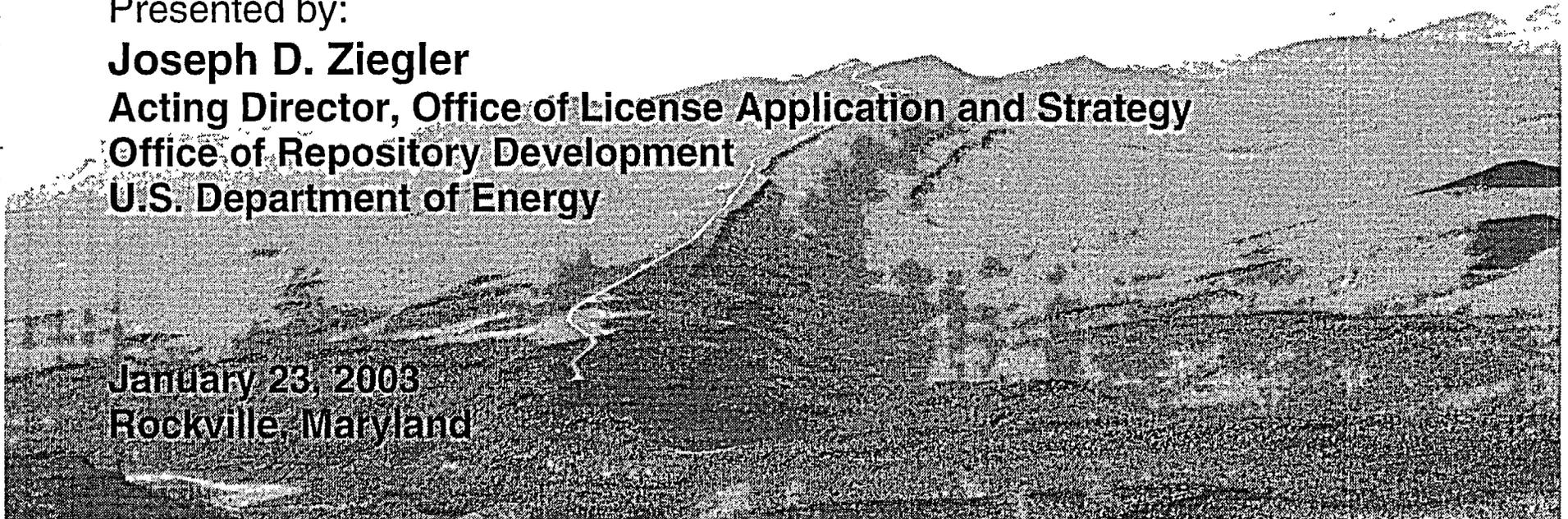**DOE/NRC Quarterly Management Meeting**

Presented by:
Joseph D. Ziegler
Acting Director, Office of License Application and Strategy
Office of Repository Development
U.S. Department of Energy

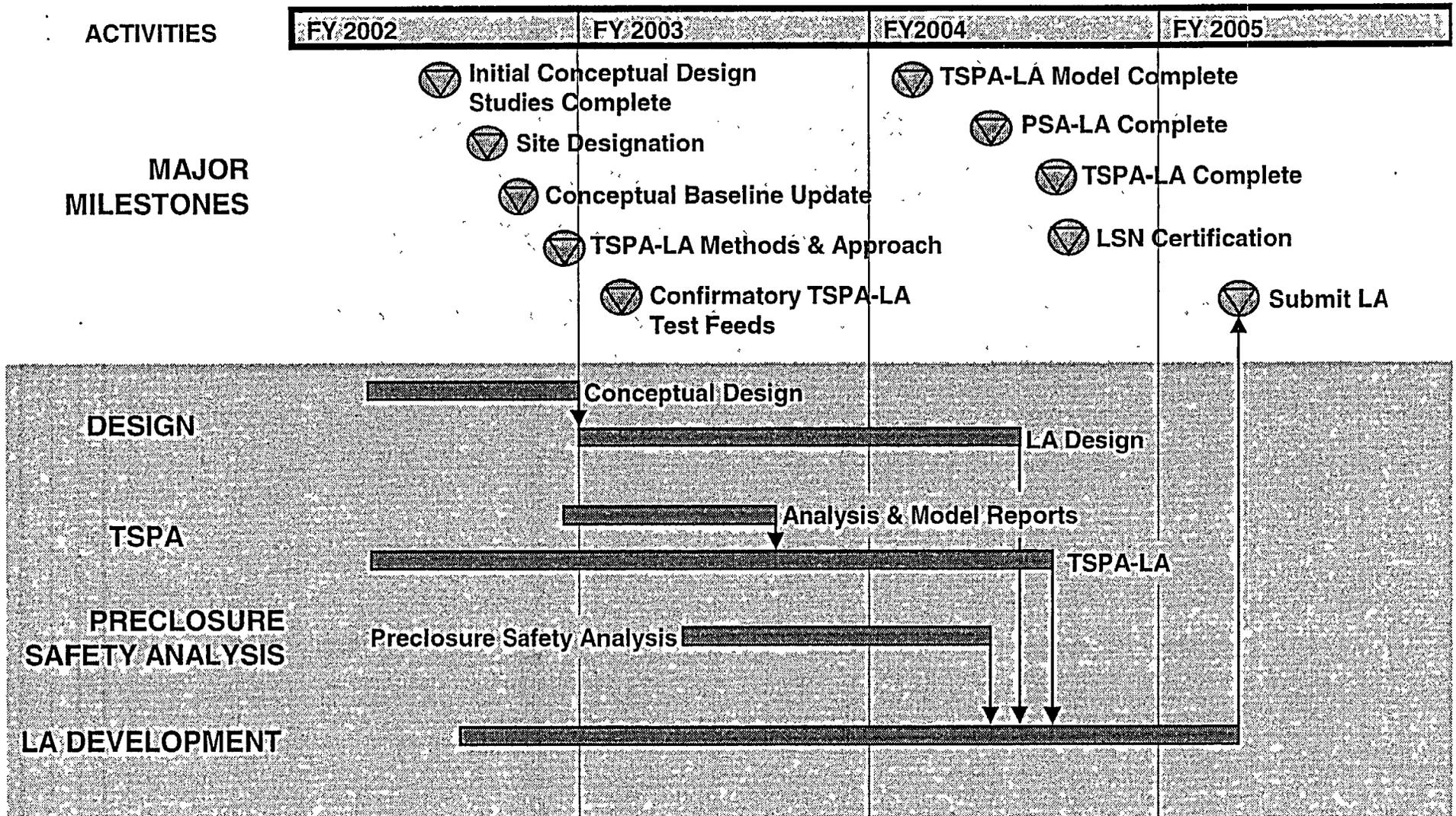**January 23, 2003**
Rockville, Maryland

Developing the License Application

- **DOE plans to submit a License Application (LA) to NRC in December 2004**

  - The LA will be high-quality and address NRC requirements and acceptance criteria to facilitate review

- **Essential to DOE's ability to meet this schedule and complete the LA and its supporting technical bases are the following:**

  - Issue a final Yucca Mountain Review Plan (YMRP)

  - Agree on the acceptability of DOE's risk-informed approach for completion of some Key Technical Issue (KTI) agreement items

  - Establish of an aggressive schedule for continuing pre-application interactions between DOE and NRC

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Summary Schedule to License Application Submittal

ACTIVITIES	FY 2002	FY 2003	FY2004	FY 2005

MAJOR MILESTONES

▽ Initial Conceptual Design Studies Complete

▽ Site Designation

▽ Conceptual Baseline Update

▽ TSPA-LA Methods & Approach

▽ Confirmatory TSPA-LA Test Feeds

▽ TSPA-LA Model Complete

▽ PSA-LA Complete

▽ TSPA-LA Complete

▽ LSN Certification

▽ Submit LA

DESIGN

Conceptual Design

LA Design

TSPA

Analysis & Model Reports

TSPA-LA

PRECLOSURE SAFETY ANALYSIS

Preclosure Safety Analysis

LA DEVELOPMENT

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Continuing Pre-Application Interactions

- **Continuing interactions between DOE and NRC are essential to completing the LA and its supporting technical bases**

  - Interactions should focus on:

    - Reaching resolution, to the extent practicable, on licensing issues

    - Obtaining NRC feedback on key DOE technical approaches that will support LA preparation and licensing review

- **Resolution of significant issues and licensing approaches prior to LA will facilitate both DOE's preparation and NRC's review of the LA**

Suggested Pre-Application Interactions

- **Design and Engineering Topics**

  - Level of Design Detail for Construction Authorization

  - Seismic Design (Preclosure)

  - Container Life & Source Term

  - Quality Assurance Classification of Structures, Systems, Components

  - Geomechanical Related Issues

- **Modeling and Analyses Topics**

  - Igneous Activity Characterization

- **Regulatory**

  - Performance Confirmation

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