ENCLOSURE 9

U.S. Department of Energy
Office of Civilian Radioactive Waste Management

YUCCA MOUNTAIN PROJECT

License Application Status

Presented to:
DOE/NRC Quarterly Management Meeting

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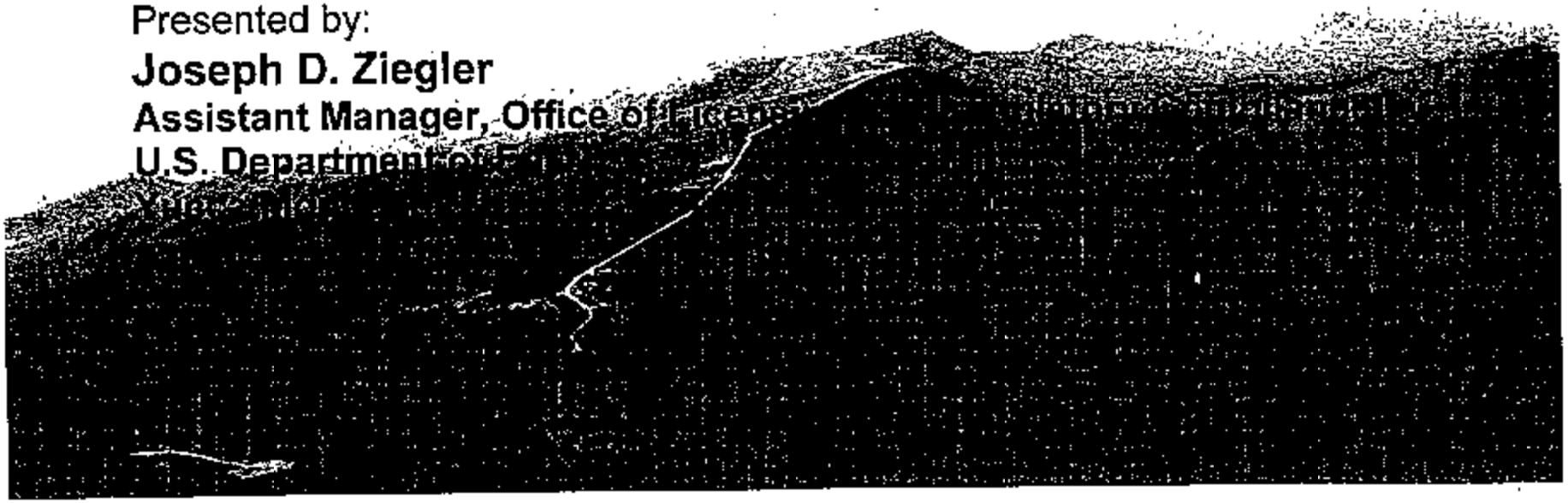
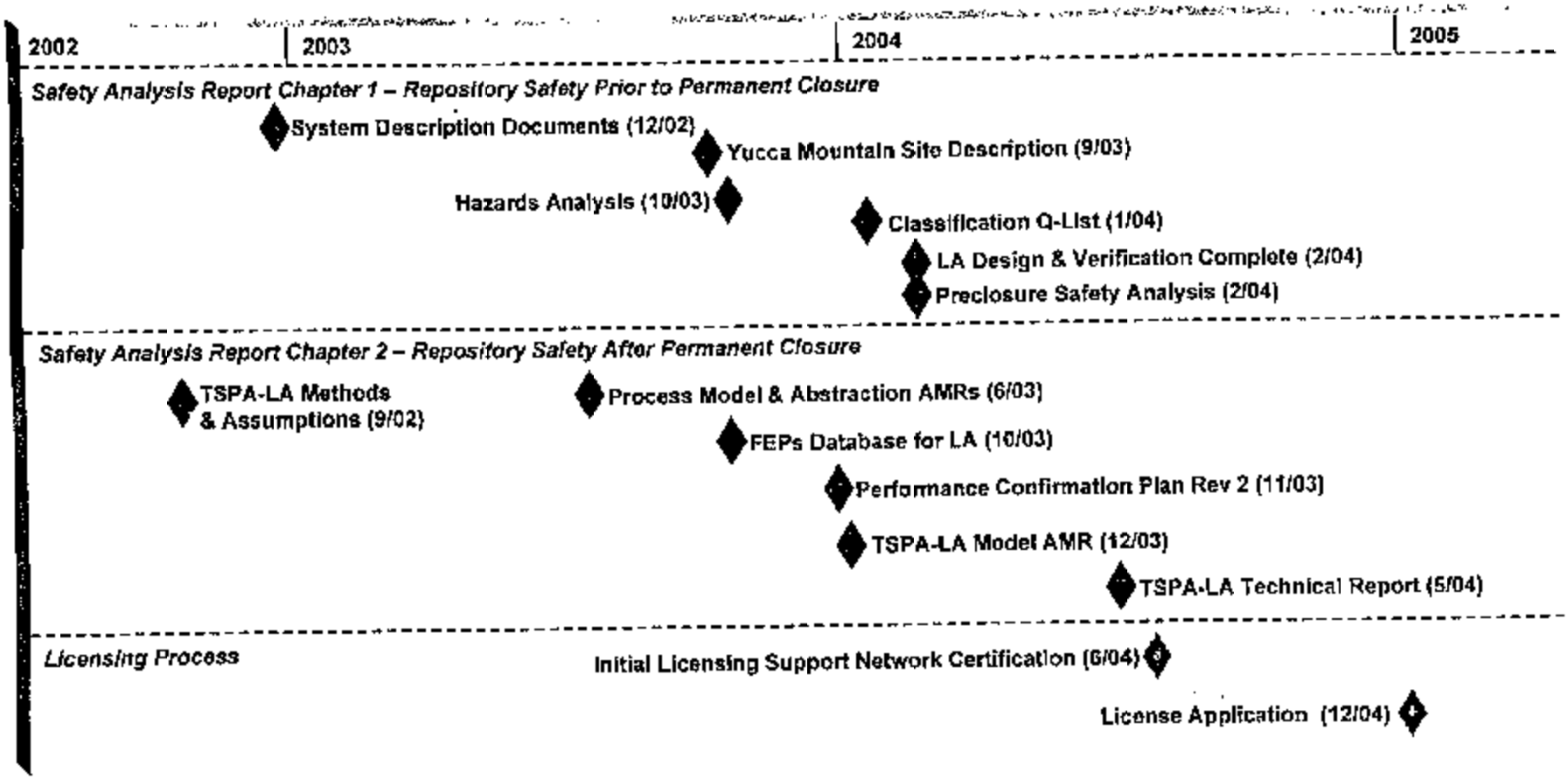


License Application Status

- Schedule for License Application (LA) submittal is December 2004
  - Sections of the LA currently in development
    - Starting with programmatic and site description information
    - Refining development, review, and production processes
  - Supporting technical products scheduled through 2004
- Current issues for management discussion include
  - Completion of the Yucca Mountain Review Plan (YMRP)
  - Development of the Licensing Support Network (LSN)
  - Satisfaction of Key Technical Issue (KTI) information needs

Pre-Submittal Technical Products Schedule



YUCCA MOUNTAIN PROJECT

Completion of Yucca Mountain Review Plan

- LA development has begun in parallel with YMRP completion to achieve 2004 target submittal date
  - DOE is using draft YMRP as part of the basis for planning technical work and LA development
- Delay in issuance of a final YMRP could jeopardize LA target date or consistency with YMRP
  - DOE urges NRC to issue final YMRP as soon as possible
- DOE has some concerns with approach and content of draft YMRP
  - DOE comments to be presented within 5 themes

Themes for DOE Comments on YMRP

- Organization: Order and methods of presentation of information in the license application
- Differentiation: Timing and levels of detail for information at different stages of licensing
- Risk-Informed/Performance-Based Approach: Degree of specification of details and methods
- Consistency: Use of terms, concepts, and methods that reflect current, applicable regulations
- Quality Assurance: Based on regulations rather than implementing documents

Licensing Support Network Development

- DOE is working aggressively to develop and activate LSN as quickly as possible
- Major pre-certification activities include
  - Put screening procedures in place, train personnel
  - Build system to screen and process documents; support file format testing; and conduct performance tests
  - Develop and install content management system
  - Screen and process legacy and new documents
  - Conduct operational readiness review
- Draft Regulatory Guide DG-3022, Topical Guidelines for the LSN published July 2002
  - DOE will submit comments by September 30, 2002 (Date requested by NRC)

Satisfaction of Key Technical Issue Information Needs

- DOE has adopted a risk-informed/performance-based approach to satisfying KTI agreements
  - DOE Risk Prioritization Report forthcoming
  - Major technical products will be available to NRC upon completion
- Sensitivity studies planned to support risk-informed/performance-based resolution of some agreements
- DOE's safety case and compliance arguments will be documented in the LA with updated and qualified models, software, and data
- KTI agreement resolution status to be discussed in subsequent presentation

Upcoming Interactions

- NRC - DOE Interactions
  - August 6-8 Approach for Structural Deformation and Seismicity and Postclosure Seismicity, Las Vegas
  - September 17 Preclosure Aircraft Hazard Plan and Map, Las Vegas
  - September 19-20 Quarterly Quality Assurance/KTI and Management Meeting, Las Vegas
- Other interactions of interest
  - September 4-5 Igneous Consequences Peer Review Interim Report meeting, Las Vegas
  - September 10 Nuclear Waste Technical Review Board Fall meeting, Las Vegas
  - September 18-19 Licensing Support Network Advisory Review Panel, Las Vegas