SUBJECT: INTEGRATION OF ENVIRONMENTAL PROGRAM WITH SITE AND DESIGN PROGRAMS

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MARCH 22, 1994
Integration of the Environmental Program

- Environmental program has major interface to top-level program strategy
  - EIS content and schedule
  - Testing, design, and performance assessment

- Management authorization of field testing and construction activities requires environmental reviews, stipulations, and approvals

- Environmental monitoring provides basis for evaluation of potential environmental impacts
Interfaces to Environmental Program

New Program Strategy

EIS Content/Schedule

Testing, Design, Performance Assessment

Environmental Programs

Field Construction Programs

Site Testing Programs

Design Packages
Controls
Test Plans
Controls
Overview of New Program Concept
Yucca Mountain Planned and Actual Site Characterization Funding
(Year of Expenditure in Billions)

Annual Funding

Fiscal Year


Planned Funding*

Actual Funding**

Funding Shortfall

* ESAAB - approved January 1992
** Enacted Appropriations
Scenarios for Mission Fulfillment

Three scenarios have been evaluated. Their planning assumptions are:

A. Restructure Program for management efficiency to respond to existing situation (assumes availability of Special Account)
   - Within existing legislative/regulatory framework

B. Restructure Program to respond to existing situation (assumes availability of Special Account)
   - Consider changes to legislative/regulatory framework

C. Resource-constrained future (assumes flat funding)
   - Within existing legislative/regulatory framework
Strategic Goals for New Program Concept

- Determine if Yucca Mountain site is suitable

- Use phased approach to receive NRC approvals
  - Construction authorization
  - License to receive and possess waste
  - License amendment for permanent closure

- Obtain stakeholder/technical community and public acceptance

- Reduce cost, improve efficiency, and optimize schedules
Schematic of New Program Concept

1988 SCP
LA Concept

Technical Site Suitability

1998 2001 2010

Data Collection Continues

Construction Authorization

Updated LA to Receive/Possess Waste

License to Receive/Possess Waste

Performance Confirmation

Time

INEVPSDP.CDR.125.NWTRB/3-21-94
Planning Assumptions

- DOE accepts higher-risk approach to License Application than embodied in SCP
- No changes to statutes/use inherent flexibility
- Special account allows increased funding in FY95 and out-years
- Waste acceptance achieved by delivery of MPCs to utilities starting in 1998
- License Application in 2001, if Yucca Mountain site is suitable
- Initiate waste receipt at Yucca Mountain in 2010
- Retrievability maintained for up to 100 years