

Repository/MRS/Transportation Schedule

**Ronald Milner, Associate Director,
Office of Storage and Transportation
Office of Civilian Radioactive Waste Management**



Presented to

**Nuclear Waste Technical Review Board
March 10, 1992**

PROGRAM SCHEDULE OVERVIEW

- **SCHEDULE BASED ON THAT ANNOUNCED BY THE SECRETARY IN THE 60 DAY REPORT:**
 - **1998 WASTE ACCEPTANCE**
 - **2001 YUCCA MOUNTAIN LICENSE APPLICATION (LA) SUBMITTAL**
 - **2010 WASTE EMPLACEMENT**
- **THE CRITICAL PATH TO 2010 REPOSITORY WASTE EMPLACEMENT IS THROUGH:**
 - **TUNNEL BORING MACHINE PROCUREMENT**
 - **EXPLORATORY STUDY FACILITY (ESF) CONSTRUCTION**
 - **IN-SITU TESTING**
 - **WASTE PACKAGE DESIGN**

PROGRAM SCHEDULE OVERVIEW (CON'T)

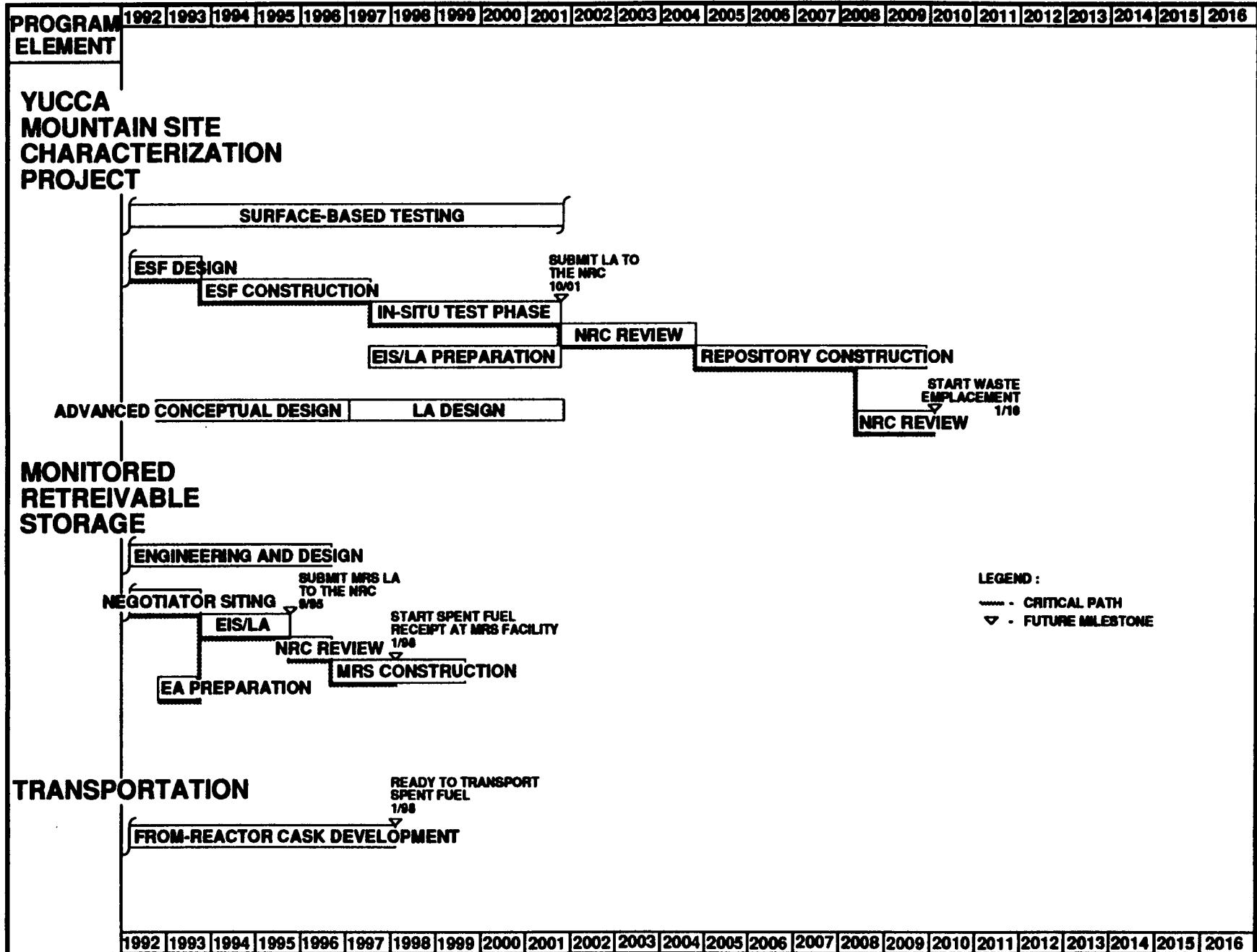
- PERFORMANCE ASSESSMENTS**
- FINALIZATION OF THE LA**
- NRC LA REVIEW**
- CONSTRUCTION**

- THE CRITICAL PATH TO 1998 SPENT FUEL RECEIPT AT THE MRS IS THROUGH:**
 - NEGOTIATOR SITING**
 - CONGRESSIONAL ENACTMENT OF AN AGREEMENT**
 - ENVIRONMENTAL IMPACT STATEMENT PROCESS**
 - NRC LA REVIEW**
 - CONSTRUCTION**

PROGRAM SCHEDULE OVERVIEW (CON'T)

- **THE CRITICAL PATH TO 1998 TRANSPORTATION CAPABILITY IS THROUGH PROCUREMENT OF EXISTING TECHNOLOGY CASKS**

Schedule for the OCRWM Program

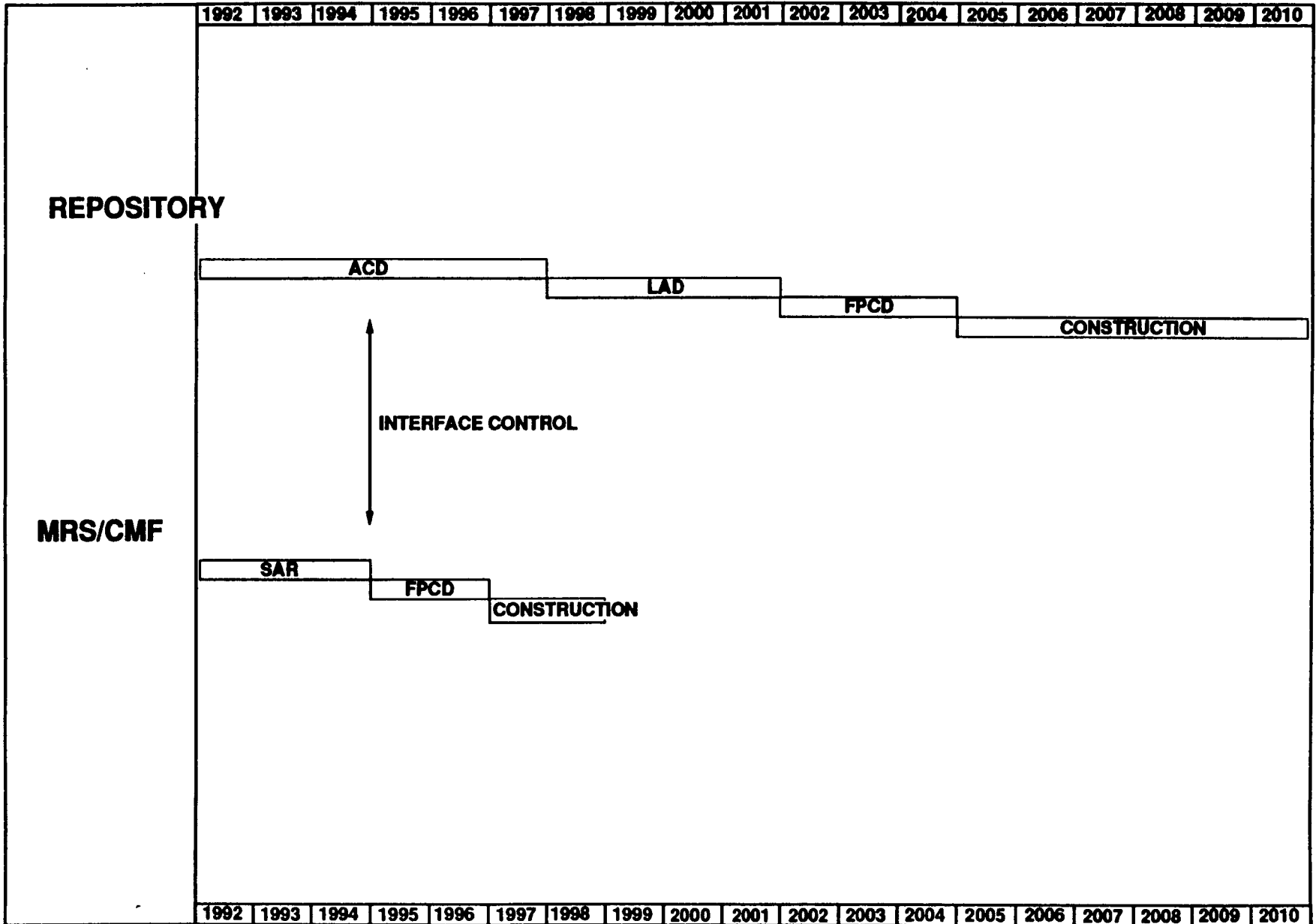


SCHEDULE FOR FACILITY DESIGN AND CONSTRUCTION

- **MRS FACILITY DESIGN (1994 TO 1996) WILL BE COMPLETE BEFORE THE REPOSITORY SURFACE FACILITY LICENSE APPLICATION DESIGN (LAD) (1997 TO 2001) IS INITIATED**

- **THE MRS DESIGN WILL DRIVE THE INTERFACE SPECIFICATIONS FOR THE REPOSITORY**

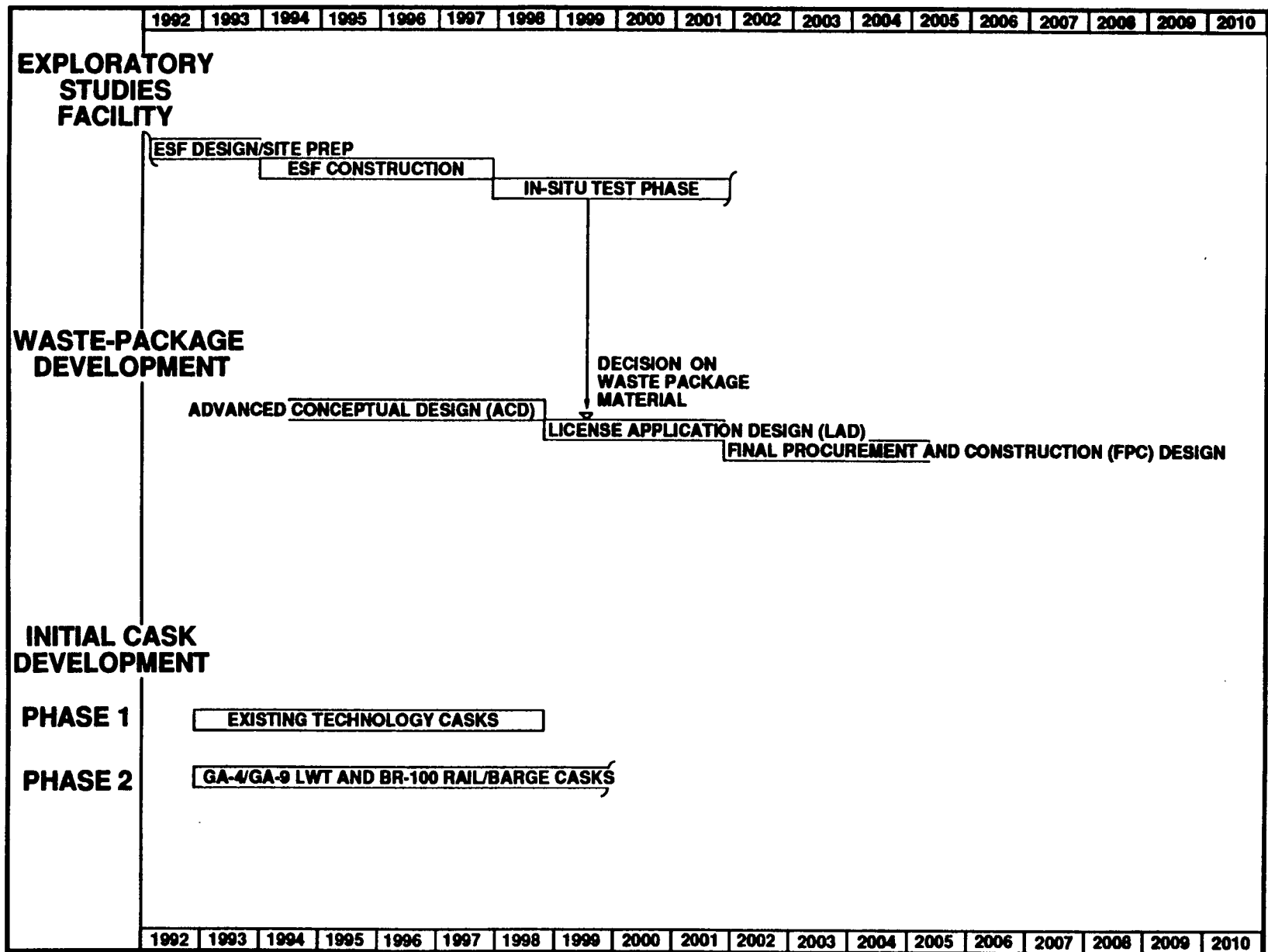
Receiving and Handling Facility Design Schedules



RELATIONSHIP BETWEEN THE WASTE PACKAGE AND CASK PROGRAM

- **THE DECISION ON THE WASTE PACKAGE CONTAINER MATERIALS WILL LIKELY NOT BE MADE UNTIL THE LAD PHASE (1997 TO 2001)**
 - **RESULTS ARE NEEDED FROM ESF IN-SITU TESTING PRIOR TO MATERIAL SELECTION**
 - - **THIS PROHIBITS EARLY DECISION ON USE OF A "UNIVERSAL" CASK UNTIL AFTER THE START OF MRS OPERATIONS IN 1998**
- **ONCE REQUIREMENTS FOR WASTE PACKAGE MATERIALS ARE BETTER DEFINED AS A RESULT OF SITE CHARACTERIZATION, OCRWM COULD CONDUCT SYSTEMS STUDIES TO EVALUATE OPTIMIZED CASK SYSTEMS**

Shipping Casks Are Required For 1998



SCHEDULE FOR CASK DEVELOPMENT

- **EXISTING TECHNOLOGY CASKS (PHASE 1) WILL BE ACQUIRED TO GUARANTEE A CAPABILITY TO MEET 1998 WASTE ACCEPTANCE REQUIREMENTS**
- **THE HIGHER-CAPACITY (PHASE 2) CASK FLEET WILL BE DEVELOPED TO BE AVAILABLE AROUND THE TURN OF THE CENTURY**
- **A DECISION ON DEVELOPMENT OF UNIQUE HIGH CAPACITY FROM-MRS CASK FLEET WILL BE MADE PRIOR TO START OF REPOSITORY OPERATIONS**
- **DEFENSE HIGH-LEVEL WASTE (DHLW) CASKS (INITIATIVE 4) ARE ANTICIPATED TO BE AVAILABLE TO PERMIT EMPLACEMENT OF DHLW BY 2015**

General Cask Development Schedule

