

**U. S. DEPARTMENT OF ENERGY
OFFICE OF CIVILIAN RADIOACTIVE WASTE MANAGEMENT**

**NUCLEAR WASTE TECHNICAL REVIEW BOARD
FULL BOARD MEETING**

SUBJECT: OVERVIEW OF SYSTEMS PRESENTATIONS

PRESENTER: DWIGHT SHELOR

**PRESENTER'S TITLE AND ORGANIZATION: ASSOCIATE DIRECTOR,
OFFICE OF SYSTEMS AND COMPLIANCE**

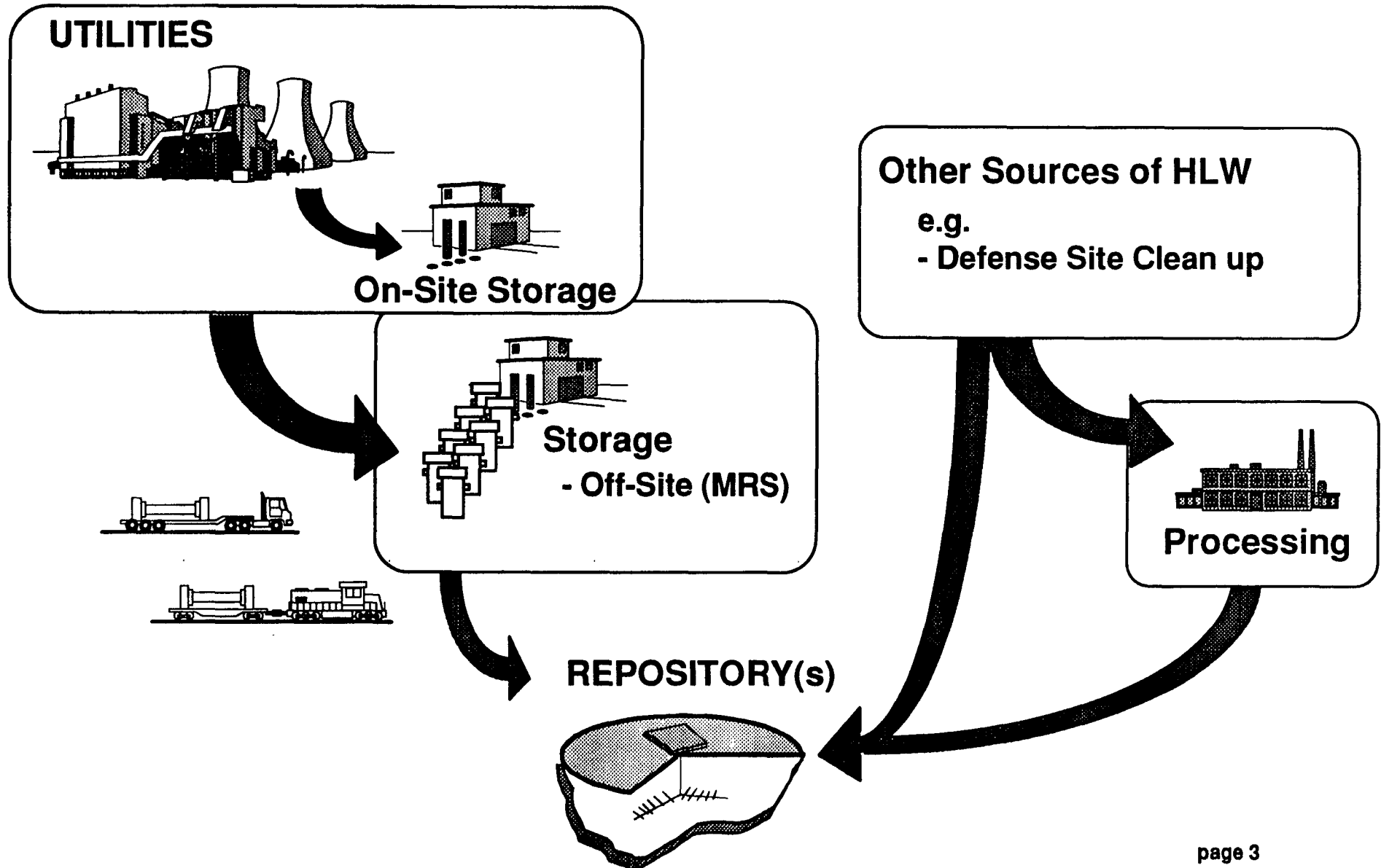
**PRESENTER'S
TELEPHONE NUMBER: (202) 586-6046**

**ARLINGTON, VIRGINIA
JANUARY 11, 1994**

AGENDA

- **STRATEGIC PLANNING**
- **PROGRAM DECISION PROCESS**
- **DECISION HIERARCHY**
- **SYSTEM ARCHITECTURE STUDY**
- **SYSTEM ARCHITECTURE PANEL MEETING**

THE HIGH LEVEL NUCLEAR WASTE SYSTEM



STRATEGIC PLANNING

Office of Civilian Radioactive Waste Management

MISSION STATEMENT

Our mission is to manage and dispose of the Nation's spent nuclear fuel and high-level radioactive waste.

We will provide leadership in developing and implementing strategies that:

Assure public and worker health and safety;

Protect the environment;

Merit public confidence, and;

Are economically viable.

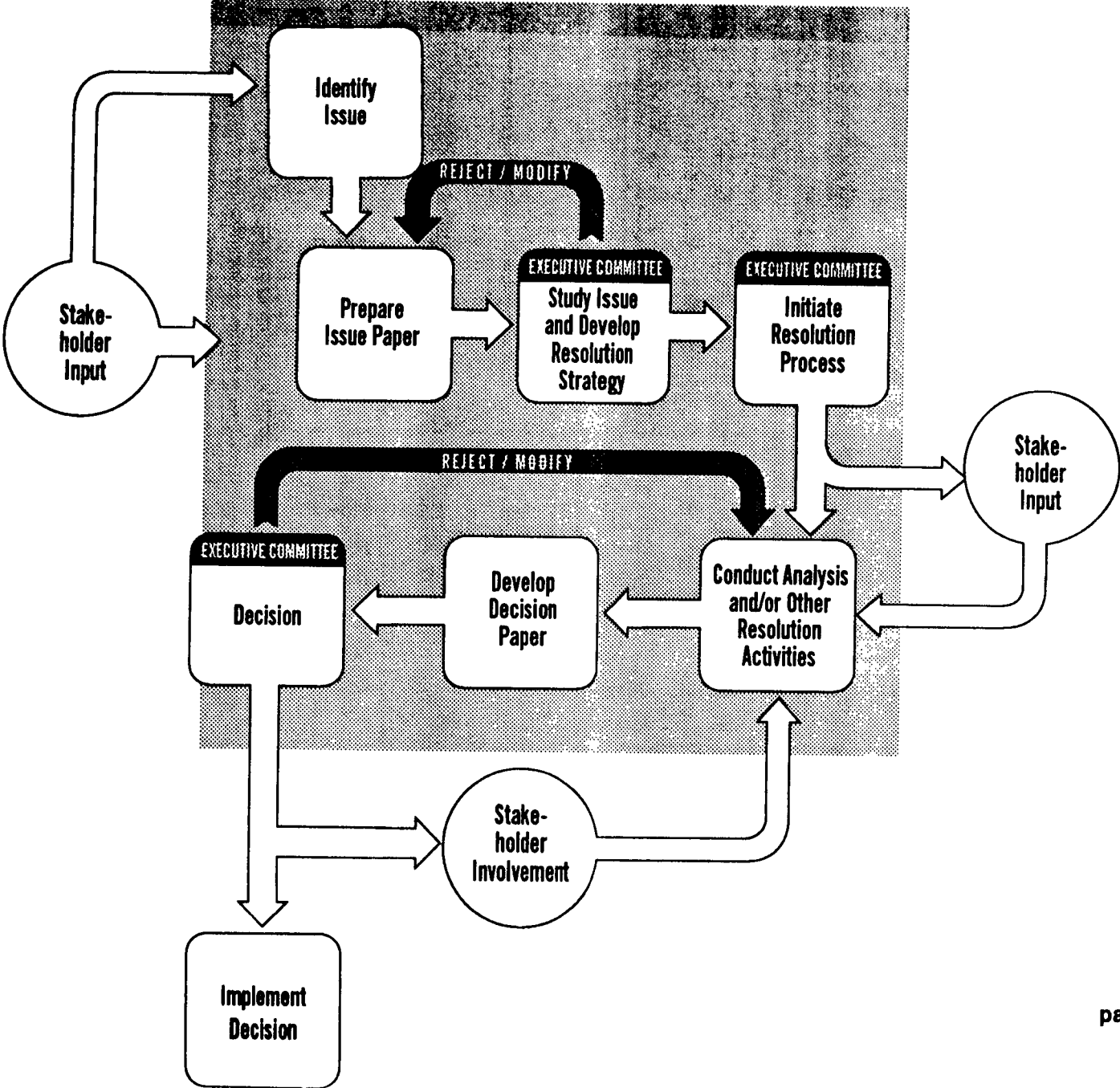
OCRWM *VISION STATEMENT*

We will lead the Nation to the achievement of environmentally sound disposal of high level radioactive waste, that will serve this and future generations. We will conduct the program in a collaborative manner with integrity, openness, technical excellence and responsiveness to social considerations.

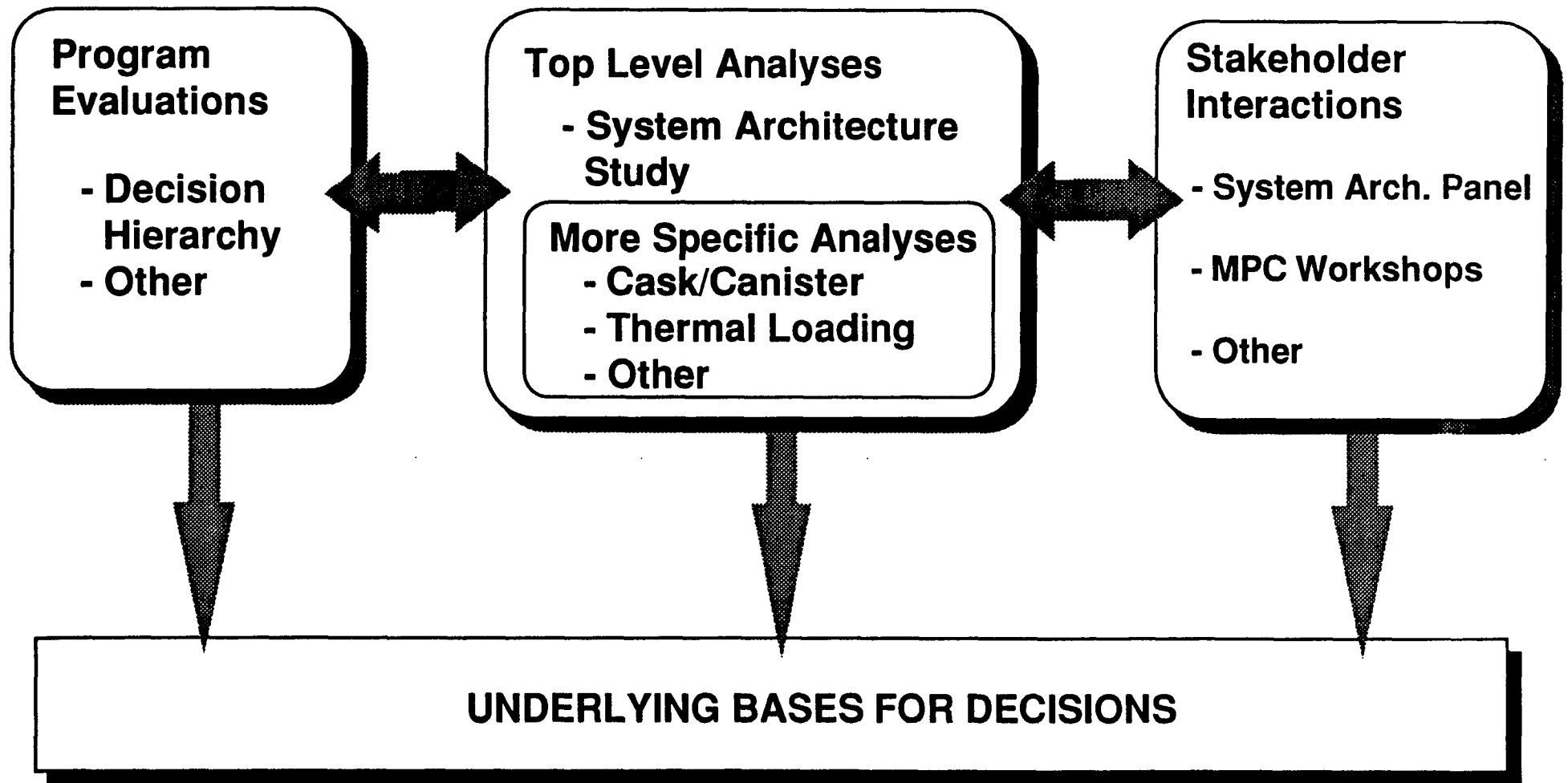
STRATEGIC GOALS OF THE OCRWM PROGRAM

- **Lead the collaborative development and implementation of national policy for the disposal of high-level radioactive waste.**
- **Resolve the 1998 waste acceptance expectation issue.**
- **Provide for interim storage, timely waste acceptance, and transportation of spent fuel compatible with disposal.**
- **Determine site suitability for Yucca Mountain.**
- **Provide for timely waste emplacement in a disposal facility.**
- **Strengthen fiscal and program management practices.**
- **Participate actively in key deliberations which affect disposal of DOE nuclear materials.**

PROGRAM DECISION PROCESS



INTER-RELATIONSHIP OF ANALYSIS AND DECISION PROCESS



SYSTEM STUDIES UPDATE

- **Decision Hierarchy**
 - Systematic identification of assumption risks
 - Support management of risk through identification of system analysis needs
- **System Architecture Study**
 - Broad parametric analysis of physical and operational alternatives to ensure program doesn't preclude more desirable options
 - Provides information to help guide program and focus specific system studies
- **System Architecture Panel Meeting**
 - Developing a process for direct predecisional involvement of stakeholders
 - Input into analysis and decision process through identification of:
Issues, Alternatives, Attributes, Relative weights of attributes