

INTRODUCTION

- NEED FOR MRS
- ORGANIZATION
- WORK BREAKDOWN STRUCTURE
- VOLUNTARY SITING PROCESS
- MRS DESIGN
- SAFETY CONSIDERATIONS
- QUESTIONS

NEED FOR MRS

NEED FOR MRS

- EARLY WASTE-ACCEPTANCE
- CENTRAL STORAGE
- SYSTEM BENEFITS
- PROGRESS TOWARD ENVIRONMENTAL GOAL

ORGANIZATION

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SYSTEMS ENGINEERING SITE INVESTIGATIONS MRS FACILITY ENGINEERING DEVELOPMENT FINANCIAL ASSISTANT INSTITUTIONAL QUALITY ASSURANCE REGULATORY PROJECT MANAGEMENT ENVIRONMENTAL, SAFETY, HEALTH QUALITY ASSURANCE

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ROLE OF THE M&O IN MRS

M&O RESPONSIBILITIES

- SUPPORT OCRWM IN THE NEGOTIATED SITING PROCESS
- INTEGRATE THE WORK OF THE CRWMS PROGRAM PARTICIPANTS
- CONDUCT MRS DESIGN
- COORDINATE RECOMMENDED CHANGES TO THE CRWMS BASELINE
 AND INTERFACE WITH ALL POTENTIALLY AFFECTED PARTICIPANTS
- SUPPORT OCRWM WITH NRC LICENSING AND ENVIRONMENTAL COMPLIANCE

M&O KEY ASSIGNMENTS FOR MRS

- STORAGE TECHNOLOGY EVALUATIONS
- OUTREACH SUPPORT
- SITING SUPPORT
 - ENVIRONMENTAL ASSESSMENT
- SYSTEM STUDIES
- STRATEGIC AND CONTINGENCY PLANNING
- CONCEPTIONAL AND SAR DESIGNS
- LICENSING SUPPORT
 - ANNOTATED OUTLINE
 - ISSUE RESOLUTION

WORK BREAKDOWN STRUCTURE

WORK BREAKDOWN STRUCTURE (WBS)



3.1 MONITORED RETRIEVABLE STORAGE

- 3.1.1 SYSTEMS ENGINEERING
- 3.1.2 (RESERVED)
- 3.1.3 SITE INVESTIGATION
- 3.1.4 MRS FACILITY
- 3.1.5 REGULATORY
- 3.1.6 (RESERVED)
- 3.1.7 ENGINEERING DEVELOPMENT
- 3.1.8 (RESERVED)
- 3.1.9 PROJECT MANAGEMENT
- **3.1.10 FINANCIAL ASSISTANCE**
- 3.1.11 QUALITY ASSURANCE
- 3.1.12 INFORMATION MANAGEMENT
- 3.1.13 ENVIRONMENT, SAFETY, AND HEALTH
- 3.1.14 INSTITUTIONAL
- 3.1.15 SUPPORT SERVICES

VOLUNTARY SITING PROCESS

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ROLE OF THE NEGOTIATOR

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NEGOTIATOR

- DAVID LEROY, PRESIDENTIAL APPOINTEE
- OFFICES IN BOISE, IDAHO AND WASHINGTON, D.C.
- APPOINTED 8/90 TERM EXPIRES 1/94



FIND A STATE OR INDIAN TRIBE WILLING TO HOST AN MRS AT A TECHNICALLY SUITABLE SITE UNDER REASONABLE TERMS

- SERVE AS PRIMARY CONTACT FOR GRANT APPLICANTS AND OTHER
 INTERESTED PARTIES
- BALANCE INTERACTIONS BETWEEN THE NEGOTIATOR, DOE, GRANT APPLICANTS AND INTERESTED PARTIES
- BALANCE HOST DESIRES WITH PROGRAM, REGULATORY AND LEGISLATIVE REQUIREMENTS
- NEGOTIATE TERMS AND CONDITIONS OF THE NEGOTIATED
 AGREEMENT BETWEEN HOST AND U.S. GOVERNMENT
- SUBMIT NEGOTIATED AGREEMENT AND AN ENVIRONMENTAL ASSESSMENT TO CONGRESS

ACTIVITIES TO DATE

- SENT INTRODUCTORY LETTERS AND FEASIBILITY GRANT AVAILABILITY LETTERS TO STATES AND INDIAN TRIBES
- DEVELOPED A "MEMORANDUM OF UNDERSTANDING" WITH DOE
 AND NRC
- CONDUCTED NUMEROUS FACT FINDING TRIPS IN U.S. AND EUROPE
- PROVIDED INFORMATION TO AND MET WITH INTERESTED PARTIES

ROLE OF THE OFFICE OF CIVILIAN RADIOACTIVE WASTE MANAGEMENT (OCRWM)

OCRWM RESPONSIBILITIES

- DEVELOP AND OPERATE THE CIVILIAN RADIOACTIVE WASTE MANAGEMENT SYSTEM (CRWMS) WITH THE FOLLOWING GOALS:
 - WASTE ACCEPTANCE AT AN MRS BY 1998
 - DISPOSAL IN REPOSITORY BY 2010
- PROVIDE SUPPORT TO THE NUCLEAR WASTE NEGOTIATOR
- REPORT TO CONGRESS ON THE CRWMS ACTIVITIES AND EXPENDITURES
- ADMINISTER THE FEASIBILITY GRANTS PROGRAM
- PREPARE AN ENVIRONMENTAL ASSESSMENT OF A PROPOSED
 MRS SITE AND HOLD PUBLIC HEARINGS
- IMPLEMENT THE TERMS OF THE NEGOTIATED AGREEMENT WITH THE HOST



RECENT ACTIVITIES

- DEVELOPED THE "PRELIMINARY SITE REQUIREMENTS AND CONSIDERATIONS FOR A MONITORED RETRIEVABLE STORAGE FACILITY"
- DEVELOPED TECHNICAL BACKGROUND INFORMATION DOCUMENT
- DEVELOPED "SPENT FUEL STORAGE AT THE MONITORED RETRIEVABLE STORAGE FACILITY", PAMPHLET
- ADMINISTERED GRANTS PROGRAM
- INITIATED MRS CONCEPTUAL DESIGN
- INITIATED DEVELOPMENT OF THE MRS LICENSE APPLICATION
- INITIATED DEVELOPMENT OF MRS ENVIRONMENTAL ASSESSMENT

ACTIVITIES TO DATE (CON'T)

- DEVELOPED OUTREACH FACT SHEETS
- ARRANGED FOR NUCLEAR STATION ISFSI TOURS
- INITIATED DEVELOPMENT OF CONTINGENCY SITING PLAN
- MET WITH GRANT APPLICANTS. (MESCALERO APACHE TRIBE, GRANT COUNTY, NORTH DAKOTA)

POTENTIAL BENEFITS TO THE HOST



- "REVIEW PANEL" INPUT AND OVERSIGHT OF THE MRS
- ECONOMIC DEVELOPMENT
 - JOBS CREATED FOR CONSTRUCTION AND OPERATION
 - LOCAL EXPENDITURES FOR MATERIALS, EQUIPMENT AND SERVICES, HOUSING, ETC.
 - INFLOW OF MONEY INTO LOCAL BUSINESSES

POTENTIAL BENEFITS TO THE HOST (CON'T)

- NEGOTIATED SITING AGREEMENT
 - DIRECT FINANCIAL ASSISTANCE
 - IMPROVEMENTS TO THE INFRASTRUCTURE (HIGHWAYS, RAILROADS, MUNICIPAL SERVICES, ETC.)
 - ENVIRONMENTAL IMPROVEMENTS (I.E., CLEANUP OF EXISTING AIR, WATER OR WASTE PROBLEMS)
 - EDUCATIONAL ASSISTANCE
 - HEALTH CARE PROGRAMS AND FACILITIES
 - RECREATIONAL PROGRAMS AND FACILITIES
 - PAYMENTS EQUAL TO TAX

CURRENT GRANT APPLICANTS

PRELIMINARY (PHASE I) GRANTS

- APPLICATION DEADLINE MARCH 31, 1992
- UP TO \$100,000 FOR 6 MONTHS
- ACTIVITIES MAY INCLUDE:
 - UNDERSTANDING THE WASTE MANAGEMENT SYSTEM AND AN MRS FACILITY
 - DETERMINING WHETHER APPLICANT WANTS TO PROCEED WITH GRANT PROCESS

STATUS OF PHASE I GRANTS

| APPLICANT | AWARDED | |
|------------------------------------|---------|------------------------|
| MESCALERO APACHE TRIBE (NM) | X | |
| GRANT COUNTY (ND) | X | |
| FREMONT COUNTY (WY) | X | |
| YAKIMA INDIAN NATION (WA) | X | |
| PRAIRIE ISLAND INDIAN NATION (MN) | | PENDING, DOE REQUESTED |
| SAC AND FOX (OK) | X | ADDITIONAL INFORMATION |
| CHICKASAW INDIAN NATION (OK) | X | |

ADVANCED (PHASE 2) GRANTS

- NO APPLICATIONS SUBMITTED TO DATE
- APPLICATION DEADLINE JUNE 30, 1992
- PHASE 2 AWARD, OF UP TO \$3,000,000 FOR 12 MONTHS, WILL BE AWARDED IN 2 STAGES
 - INITIAL \$200,000 FOR PUBLIC INFO ACTIVITIES
 - FULL AWARD UPON SUBMISSION OF LETTER FROM GOVERNOR/TRIBAL LEADER TO NEGOTIATOR, STATING REQUEST TO ENTER "CREDIBLE FORMAL DISCUSSIONS" WHICH COULD LEAD TO A SITING AGREEMENT

SITING SCHEDULE

MRS SITING MILESTONES

| INITIATE SITE SPECIFIC EA DEVELOPMENT | 8/92 |
|--|-------|
| SITE IDENTIFICATION | 12/92 |
| COMPLETE EA | 6/93 |
| CONGRESSIONAL APPROVAL | 9/93 |
| SUBMIT SAR | 9/94 |
| SUBMIT LA (EIS, ETC) | 9/95 |
| RECEIVE NRC LICENSE | 9/96 |
| MRS OPERATIONAL | 1/98 |

EA ACTIVITIES

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MRS EA DEVELOPMENT

- ACTIVITIES TO DATE:
 - COMPLETED DRAFT EA MANAGEMENT PLAN AND ANNOTATED OUTLINE
 - DEVELOPING DRAFT MRS EA TECHNICAL GUIDE
 - -- PRECURSOR TO A SITE-SPECIFIC EA
 - -- SITE-INDEPENDENT PORTIONS ESSENTIALLY COMPLETE
 - -- GUIDE DESCRIBES WHAT WILL BE INCLUDED IN SITE-SPECIFIC PORTIONS
- FUTURE ACTIVITIES:
 - DEVELOP SITE SPECIFIC SECTIONS OF EA ONCE POTENTIAL SITE IS IDENTIFIED

MRS DESIGN

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MRS DESIGN

- CONCEPTUAL DESIGN IN PROGRESS
- CONCEPTUAL DESIGN REPORT (CDR) TO BE COMPLETED BY M&O MAY 1, 1992
- CDR REFERENCE DESIGN WILL SERVE AS COST AND SCHEDULE BASELINE
- MRS REQUIREMENTS DOCUMENTS WILL SERVE AS TECHNICAL BASELINE
- AFTER SITE/TECHNOLOGIES SELECTED M&O CAN COMPLETE DETAILED
 DESIGNS
- DESIGNS CAN BE OPTIMIZED THROUGHOUT THE DESIGN PROCESS

MRS SAFETY CONSIDERATIONS

MRS SAFETY CONSIDERATIONS

- RADIOLOGICAL SAFETY
 - EXPERIENCE AT ISFSI'S APPLICABLE TO MRS
 - SHORT-LIVED RADIONUCLIDES NOT PRESENT IN SIGNIFICANT QUANTITIES IN 5+YEARS OLD SNF
 - RELATIVELY LOW HAZARD-POTENTIAL ACTIVITY COMPARED TO NUCLEAR POWER PLANTS
 - -- NO MECHANISM PRESENT TO CAUSE A LARGE RELEASE OF RADIOACTIVE MATERIAL
- INDUSTRIAL SAFETY
- EXPERIENCE AT NUCLEAR POWER AND CONVENTIONAL POWER PLANTS BEING APPLIED
 - RELATIVELY MODERATE RISK WORKING ENVIRONMENT