



Department of Energy  
Chicago Operations Office  
Salt Repository Project Office  
505 King Avenue  
Columbus, Ohio 43201-2693

WM DOCKET CONTROL  
CENTER

'84 JUL 23 AM 10:2

July 17, 1984

John J. Linehan, Section Leader  
Salt Section  
Repository Projects Branch  
Division of Waste Management, MS 623-SS  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

WM Record File

1061

WM Project 16

Docket No. \_\_\_\_\_

PDR ☒

LPDR ☒

Distribution:

REP/MSB

DM/HSM/RS

JOB/ISS

LINEHAN/BELHORN

(Return to WM, 623-SS)

CR/WILKERR L3

Dear Mr. Linehan:

SUBJECT: MINUTES OF MEETINGS

Enclosed for your review and comment are the minutes of the May 31, 1984 meeting of the salt states and the NRC. Please provide your comments to me at your convenience.

Also enclosed is a copy of the minutes of the March 1984 meeting.

Our next meeting is scheduled for August 1-2, 1984 in Columbus. A draft agenda has been sent to you for review and comment.

I look forward to seeing you in Columbus, and continuing our important consultation activities.

Sincerely,

Theodore J. Taylor  
Chief  
Socioeconomic, Environmental,  
and Institutional Relations  
Salt Repository Project Office

SRPO:TJT:max:3244B

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PDR WASTE  
WM-16 PDR

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J. Linehan  
Page 2

Enclosures:  
As Stated

cc: J. Friloux, LA  
K. Haggard, MS  
D. Smith, TX  
L. Pickerell, UT  
T. Verma, NRC  
B. Gale, HQ  
C. George, HQ  
G. King, HQ  
G. Nodine, BLM  
P. Parry, NPS  
H. Brown, DC  
J. Gervers, NM

IN# 412-84

See folder for  
Artolinchon PM.  
Taylor 7-17-84

1061  
WH-16

MINUTES OF  
MEETING WITH SALT STATE REPRESENTATIVES AND NRC

MAY 31, 1984

The listing of attendees (Attachment 1) and the agenda (Attachment 2) are attached.

Ted Taylor welcomed state and NRC representatives and others to the sixth state meeting. Introductions of all attendees were made.

Land Acquisition

Alan Handwerker, Counsel, SRPO, discussed requirements for land acquisition, land acquisition during site characterization and the role of the Corps of Engineers in the land acquisition process. Real Estate Planning Reports will be written for DOE by the Corps based on an Interagency Agreement negotiated with input from the states. These reports will contain information on many aspects of land acquisition, as outlined in the attached copies of viewgraphs. Questions and discussion followed on whether land would be leased or purchased, withdrawal of land by Congress, and states' roles in providing input for the planning report(s). (Land acquisition viewgraph copies are Attachment 3.)

David Cohen, Corps of Engineers, detailed Corps involvement in land acquisition for the U.S. Government. He reviewed the Real Estate Division organization and its functions. Acquisition policy and compensation were discussed. The responsibilities of the Appraisal Division were explained. Length of time for acquisition, moving expenses, condemnation process, and use of field offices were discussed. Questions were raised on process of selecting appraisers and determining fair market value. Mr. Cohen pointed out that the Corps is required to follow federal law, not state law. He indicated that the states may appoint an official state contact with whom the Corps and DOE will work. A meeting will be planned for DOE, Corps, and state representatives to discuss the proposed interagency agreement between DOE and the Corps on land acquisition procedures. (Corps of Engineers viewgraph copies are Attachment 4.)

## Transportation

Reuben Peterson, ONWI, introduced the transportation topic and gave an overview of handouts available. His remarks included information on DOE transportation programs, types and quantities of waste shipments, transportation modes, and NRC regulations.

John Allen, BCL, reviewed DOT regulations. DOT regulations were categorized as follows:

1. Classification (e.g., class for material)
2. Packaging (packaging regulations)
3. Hazard Communication (communicating hazards for transportation cycle; i.e., emergency response)
4. Carrier Controls (e.g., routing and prenotification)

Routing requirements include: following route designated by appropriate state agency; if not designated, following interstate highway system with shortest transit time, and using beltways around cities to avoid highly congested areas.

Tom McSweeney, ONWI, discussed routing: regional, state, and site-specific. There are many possible routes at each salt site and states will have some authority in the matter of selecting routes to be used. A discussion followed on routes being evaluated in the EAs versus routes that will actually be used. Tom also reviewed tools for analyzing transportation systems.

The transportation discussion also included types and probabilities of accidents, sabotage, risks to people along transportation routes, statistics and records to date, federal and state activities in emergency response, and transportation legislation. (Viewgraph copies and handouts on transportation are Attachment 5.)

## Environmental Assessments

Bob Wunderlich, SRPO, reviewed present status of the EAs. The working drafts of EAs have been sent to states and NRC. The next working draft EA will be sent June 1. EA areas which still need resolution include: air quality and noise impact analysis, amount of land that would potentially be contaminated



by salt, possible inconsistencies with the final Siting Guidelines and the draft Mission Plan, addition of new references, and schedule changes. States asked when Chapters 1 and 7 would be available from DOE-HQ, requested information on data sheets, and discussed the length of time needed for adequate review and comments. (EA viewgraph copies are Attachment 6.)

#### NRC Presentation

The NRC report was given by Bob Johnson and Teek Verma. NRC is presently involved in activities to prepare for reviewing the public draft of the EAs. Plans are for a 60 day review period; references will be reviewed prior to the EAs. A variety of review mechanisms are being used by NRC, including data review meetings. To date, a meeting was held on hydrology; future meetings are planned on rock mechanics and geology.

#### States' Caucus/Response

Following the state caucus, Loretta Pickerell of Utah presented the states' comments:

##### Corp of Engineers presentation

- States will attempt to get written comments to SRPO before meeting on June 21 in Washington, D.C.
- Interagency agreement is the minimum states would find workable.
- Corps does not seem sensitized to feelings a repository will create.
- Information presented on treatment of state lands was inadequate.
- States would like insight on litigation in WIPP case.

##### Transportation presentation

- States would like more national information on this topic.
- States would like access to routing models.
- Information was lacking on state regulations, statutes, legislation, Regional Transportation Study, and alternative methods of transportation.
- SRPO agreed states should be involved in agenda planning for next state meeting to ensure vital issues on transportation will be discussed.

- States would like more information on following topics:
  - Cask development
  - DOE plans for dealing with nonaffected states
  - Price-Anderson Act and liability questions
  - Emergency Response plans and assistance available to states to begin preparing.

#### Interface with DOE

- States proposed inviting other interested groups (i.e., NGA, NCSL) to state meetings
- States will consider DOE's offer to have people help with library needs.

#### EA Review Process

- States need to receive more copies of EAs and data sheets.
- States need hard copy, not microfiche.

#### Next State Meeting

- End of July--1-1/2 to 2 days.
- Prefer Wednesday and Thursday, rather than Thursday and Friday.
- Will be held in Columbus.
- Topics for meeting: Mission Plan, EAs, Transportation issues.

#### NRC comments include:

- NRC requests a copy of revised reference list for EAs.
- NRC requests updated data sheets when they are available.
- NRC requests revised schedule for preparation of EA final draft and data sheets when schedule is available.

Submitted by Debra Halliday, ONWI



Department of Energy  
Chicago Operations Office  
Salt Repository Project Office  
505 King Avenue  
Columbus, Ohio 43201-2693

July 17, 1984

Steve Frishman  
Nuclear Waste Projects Office  
Office of the Governor  
General Counsel Division  
P. O. Box 12428  
Austin, TX 78711

Dear Mr. Frishman:

SUBJECT: MINUTES OF MEETINGS

Enclosed for your review and comment are the minutes of the May 31, 1984 meeting of the salt states and the NRC. Please provide your comments to me at your convenience.

Also enclosed is a copy of the minutes of the March 1984 meeting.

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Sincerely,

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Theodore J. Taylor  
Chief  
Socioeconomic, Environmental,  
and Institutional Relations  
Salt Repository Project Office

SRPO:TJT:max:3244B

S. Frishman  
Page 2

Enclosures:  
As Stated

cc: J. Friloux, LA  
K. Haggard, MS  
D. Smith, TX  
L. Pickerell, UT  
T. Verma, NRC  
B. Gale, HQ  
C. George, HQ  
G. King, HQ  
G. Nodine, BLM  
P. Parry, NPS  
H. Brown, DC  
J. Gervers, NM

IN# 412-84



Department of Energy  
Chicago Operations Office  
Salt Repository Project Office  
505 King Avenue  
Columbus, Ohio 43201-2693

July 17, 1984

Ronald Forsythe  
Mississippi Energy and  
Transportation Board  
214 Watkins Building  
510 George Street  
Jackson, MS 39202

Dear Mr. Forsythe:

SUBJECT: MINUTES OF MEETINGS

Enclosed for your review and comment are the minutes of the May 31, 1984 meeting of the salt states and the NRC. Please provide your comments to me at your convenience.

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R. Forsythe  
Page 2

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IN# 412-84



Department of Energy  
Chicago Operations Office  
Salt Repository Project Office  
505 King Avenue  
Columbus, Ohio 43201-2693

July 17, 1984

L. Hall Bohlinger  
Deputy Assistant Secretary  
Office of Environmental Affairs  
Louisiana Department of Natural Resources  
P. O. Box 44066  
Baton Rouge, LA 70804

Dear Dr. Bohlinger:

SUBJECT: MINUTES OF MEETINGS

Enclosed for your review and comment are the minutes of the May 31, 1984 meeting of the salt states and the NRC. Please provide your comments to me at your convenience.

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Chief  
Socioeconomic, Environmental,  
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Salt Repository Project Office

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L. Bohlinger  
Page 2

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IN# 412-84





Department of Energy  
Chicago Operations Office  
Salt Repository Project Office  
505 King Avenue  
Columbus, Ohio 43201-2693

July 17, 1984

Judith Hinchman, Project Manager  
High Level Nuclear Waste Policy Committee  
Office of the Governor  
State Capitol  
Salt Lake City, UT 84114

Dear Ms. Hinchman:

SUBJECT: MINUTES OF MEETINGS

Enclosed for your review and comment are the minutes of the May 31, 1984 meeting of the salt states and the NRC. Please provide your comments to me at your convenience.

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Theodore J. Taylor  
Chief  
Socioeconomic, Environmental,  
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Salt Repository Project Office

SRPO:TJT:max:3244B

J. Hinchman  
Page 2

Enclosures:  
As Stated

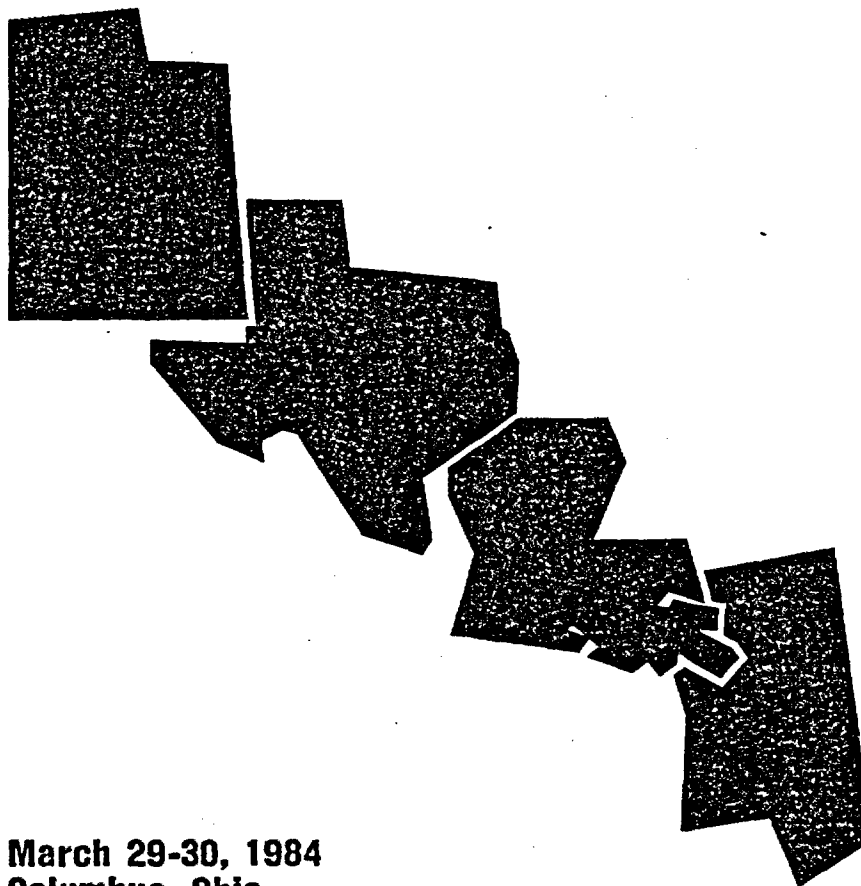
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C. George, HQ  
G. King, HQ  
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IN# 412-84

**U.S. Department of Energy**

**Office of Civilian  
Radioactive Waste Management**

**Meeting with  
Salt State Representatives**



**March 29-30, 1984  
Columbus, Ohio**

MINUTES OF  
MEETING WITH SALT STATE REPRESENTATIVES AND NRC

MARCH 29-30, 1984

March 29, 1984

A listing of attendees (Attachment 1) and the agenda (Attachment 2) are attached.

Ted Taylor opened the state meeting and welcomed representatives from all four salt states and NRC. Ted introduced new SRPO staff members. Other introductions were made. The four states and NRC received handout packets that included: OCRWM's new toll-free telephone number (for information on public hearings between DOE and NRC), organization charts of SRPO, ONWI, and state charts from Mississippi, Louisiana, and Utah. Texas distributed a sheet of their state organization and it is attached (Attachment 3). Louisiana will have a new chart soon showing the new governor and new organization structure.

Critz George, DOE-HQ, discussed the status of the Siting Guidelines, indicating that NRC had given a preliminary decision on the guidelines, which is being published in the Federal Register, granting provisional concurrence. Seven conditions are to be resolved between NRC and DOE prior to final concurrence. These issues have not yet been resolved, but if resolution is achieved, NRC could issue a final decision by the end of May, 1984.

Bob Wunderlich reviewed the environmental assessment process:

- The EA Task Force members are: Bob Wunderlich, Raj Sharma, Stan Goldsmith, and Bob Kennedy.
- A paper is being prepared on the question of one or more than one geohydrologic settings (GHS) in the Gulf Coast.
- Detailed schedule of chapters was distributed at last state meeting.
- There will be 7 EAs; one for each salt site.
- HQ is writing Chapters 1 and 7 of the EAs for all projects.
- SRPO/ONWI are writing Chapters 2 thru 6 for the salt states.

- The table of contents has been revised in order for the chapter material to flow more consistently.
- Review of data sheets is under preparation; data sheets will be sent to states as soon as they are received (mid April). Data sheets being sent to states will not have been reviewed by SRPO.
- In-scope issues are being evaluated.
- Disqualifier analyses is continuing.

Bob's viewgraphs were distributed (Attachment 4), along with sample data sheets and supporting back-up materials. References for the EAs were not distributed at the state meeting, but are attached to these minutes (Attachment 5).

A discussion followed on comparative evaluation of sites, multiple sites in one basin, and methods of using available data.

Matt Golis reported on the progress of the Technical Data Management System (TDMS). Access codes are being arranged so salt states and NRC can have direct access. Matt proposed that a training session for potential system users be held the first week in May. States and NRC are asked to send the appropriate state representative who would be using the system to the training. (Attachment 6)

Ralph Stein, DOE-HQ, Geologic Deployment Office, discussed the Mission Plan:

- Volume I received wide distribution.
- Approximately 40 comment letters were received; HQ is attempting to take these comments into consideration.
- Draft Mission Plan expects to state as one of the program's goals the receiving of spent fuel by 1998.
- There are requirements in NHPA for contents of Volume II.
- Public response process for the draft Mission Plan:
  - notice will be in Federal Register
  - 60 day comment period
  - comment/response document will be prepared
  - goal is to address every comment
- Chapters are being written by variety of teams, including project offices, contractors, subcontractors, and other specialized people.

Ralph's viewgraphs and handouts were distributed (Attachment 7).

Discussion followed on additional field testing, the question of exploratory shaft QA, number of shafts, drilling permits, and length of construction time. States expressed need for consistency between the EAs and the Mission Plan.

Don Keller discussed public information activities as outlined in his view-graphs (Attachment 8). He reviewed the new outreach activities, including pre-EA activities to help citizens participate more effectively in EA hearings, a public participation plan, status of information exchanges, and status of local information offices in the four states.

A discussion followed on the Program Review Committee (PRC), its members, their backgrounds, and method of selection; Speakers Bureau activities and desire by states to be informed about speaker activities; and the process for establishing the local information offices.

ACTION: Furnish background material on PRC members to the states. (ONWI)  
(April 2, 1984, PRC material from D. Keller, ONWI, to  
T. Taylor, SRPO)

Barry Gale, DOE-HQ, distributed "Guidelines for Financial Assistance Programs..." (Attachment 9) and discussed the importance of reviewing these guidelines and following them carefully in preparing state grant proposals. These guidelines focus on Phases I and II (prenotification and notification). New guidelines need to be developed for Phase III (site characterization). States were informed that DOE needs clear justification of need for the grant and how it relates to the requirements of the Act. It was recommended that states discuss grant proposal content with DOE prior to actually writing and submitting a proposal. Questions of allowable activities under a grant can (and should) be reviewed with DOE prior to requests for funding. If states have comments or concerns about the guidelines for grants, these should be submitted to Ted Taylor.

States discussed with Barry possible allowable activities under a grant and the questions of state duplication of DOE studies.

March 30, 1984

Bob Johnson, NRC, presented the following comments:

- Summarized the status of NRC's EA review plans.
- Activities have started to prepare for reviewing the EAs. Preparation activities include inventory of data/documents, developing scenarios for relating data, sensitivity calculations, and reviewing early drafts of EAs.
- 60 day comment (less for technical staff); simultaneous review of up to 9 EAs.
- NRC would like to visit DOE, ONWI, and the states. Would like to have a technical contact for each state.

ACTION: Furnish NRC with name of technical contact. (States)

ACTION: Furnish NRC with a list of significant issues to be addressed in the EAs. (States)

- NRC would like to discuss these issues with the states before the EAs are released.
- States should contact NRC's technical staff only on technical questions; not for an opinion or interpretation of policy.
- Meetings:
  - need posted schedule of all meetings
  - all meetings to be listed on OCRWM's toll-free number
  - meetings should be open to public
  - states and tribes should be notified by NRC of meetings
  - use standard format for reporting actions items from meeting
- NRC plans QA review at sites and at ONWI.
- NRC desires to remain up-to-date on data flow now so there will not be a problem related to data development at time of licensing.

States were asked to comment on and offer suggestions for the salt program's C&C process:

Mississippi - Ron Forsythe

- Feels state has good rapport with SRPO.
- Lacking timely communication from HQ; letters taking longer than 30 days for response.

- Suggestions for information exchanges include: present new information, send people who can "communicate".
- Highly sensitive political sector in state.
- Local information office--state prefers to have prior notification.

Texas - Steve Frishman

- Problems to date have been resolved by working with SRPO.

Utah - Loretta Pickere11

- Suggestion for information exchange: present information that is understandable.
- Contractors should be instructed by DOE to avoid stating DOE policy.
- DOE should oversee speakers bureau.
- "Surprises" are difficult to explain to state people.
- HQ needs to provide quicker response to letters on the EA process.

Louisiana

James Friloux attended state meeting for the first time and will have a state report at next state meeting.

Gary Pitchford, DOE-CH/Office of Communications, asked the states for comments and suggestions for the 1984 Annual Meeting to be held in Chicago, November 26-29.

State representatives caucused to consider recommendations for the Annual Meeting, agenda for next bimonthly state meeting, timeframe for TDMS training, and response to EA process.

Following the state caucus, Loretta Pickere11 presented the states' recommendations:

Annual Meeting

- Technical sessions and policy sessions should be clearly distinguished,
- Schedule sessions of interest to salt states so there are not conflicts in meeting times.



- Include more speakers from the states.
- States would like early decision regarding inviting and funding travel for residents of the state.
- No visuals in overview and policy sessions.
- Edit visuals to be used in technical sessions.
- Suggest poster session in conjunction with meeting.

#### EA Process

- States would like to receive drafts for all states.
- States would like to receive data sheets for the other states as well as their own.
- Would like to be informed of scope and format of hearings on draft EAs.
- Suggest public hearings should be no sooner than 45 days after issuance of draft EAs, with a 90-day comment period.
- Would like DOE to specify mechanism for releasing and distributing draft EAs.
- Would like HQ to release Chapters 1 and 7 to states for early review.
- Would like to be informed of number and locations of hearings in each state.
- Request hearings be held in communities near sites and in capitol of each state.

#### TDMS Training

- Week of May 7-11 preferred date for training.
- Prefer approximately 1-1/2 days session.
- If a state cannot attend, will request individual training for that state.

#### Next Bimonthly State Meeting

- Prefer next meeting be held May 24-25 in Washington, D.C.
- Topics for next meeting:
  - Discussion of May 9 draft EA, including possible changes to that draft
  - Discussion of Mission Plan
  - Discussion of development of Transportation Codes
  - Opportunity to meet new director of OCRWM

- Appreciated attendance by DOE-HQ representatives at state meeting and requested their continued presence.

DOE will consider the state recommendations and notify states of plans for the next meeting as soon as possible. Following closing comments by Ted Taylor and Jeff Neff, the meeting was adjourned.

Submitted by Debra Halliday, ONWI

**ATTACHMENT 1**

ATTENDEES

MEETING WITH SALT STATE REPRESENTATIVES AND NRC  
MARCH 29-30, 1984

<u>NAME</u>	<u>AFFILIATION</u>	<u>ADDRESS</u>
Ronald Forsythe	Mississippi Energy & Transportation Board	300 Watkins, 510 George St. Jackson, MS 39202
Kelly Haggard	Mississippi Energy & Transportation Board	300 Watkins, 510 George St. Jackson, MS 39202
James Friloux	Louisiana/DEQ	P.O. Box 44066 Baton Rouge, LA 70804
Steve Frishman	Texas Governor's Office	Box 12428 Austin, TX 78711
Loretta Pickere11	Utah Office of Planning and Budget	116 State Capitol Bldg. Salt Lake City, UT 84114
Lou Hare	Utah Office of Planning and Budget	116 State Capitol Bldg. Salt Lake City, UT 84114
Robert Johnson	NRC/WMRP	Washington, D.C. 20555
John Linehan	NRC/WMRP	Washington, D.C. 20555
Donna Mattson	NRC/WMPC	Washington, D.C. 20555
Nancy Still	NRC/WMPC	Washington, D.C. 20555
Cecil Lewis	National Park Service/ RMR-MR	655 Parfet, P.O. Box 25287 Denver, CO 80225
Pete Parry	National Park Service/ Canyonlands National Park	Moab, UT 84532
Dick Strait	National Park Service/ RMRO-P	Denver, CO 80123
Critz George	DOE-HQ/OCRWM	1000 Independence Ave. SW Washington, D.C. 20585
Barry Gale	DOE-HQ/OCRWM	1000 Independence Ave. SW Washington, D.C. 20585
Ben Easterling	DOE-HQ/OCRWM	1000 Independence Ave. SW Washington, D.C. 20585
Ralph Stein	DOE-HQ/OCRWM	RW-21 Washington, D.C. 20585

<u>NAME</u>	<u>AFFILIATION</u>	<u>ADDRESS</u>
Arlie Howell	Battelle Advisor- Mississippi	Route 6, Box 540 Lucelade, MS 39452
Charles Killgore	Battelle Advisor- Louisiana	506 Hundred Oaks Drive Ruston, LA 71270
George Loudder	Battelle Advisor- Texas	P.O. Box 15047 Amarillo, TX 79105
Al LaSala	USGS/SRPO	505 King Avenue Columbus, OH 43201
Carole Currin	DOE-OGC	Washington, D.C. 20585
Ronald Gingerich	Inter/Face Associates	516 Main Street Middletown, CT 06457
Bruno Loran	Parsons-Redpath	3040 Riverside Drive Columbus, OH 43221
Diana Noga	Weston	2301 Research Blvd. Rockville, MD 20850
Steve Smith	Weston	2301 Research Blvd. Rockville, MD 20850
Alyson Hennelly	Weston	2301 Research Blvd. Rockville, MD 20850
Jeff Neff	DOE-SRPO	505 King Avenue Columbus, OH 43201
Ted Taylor	DOE-SRPO	505 King Avenue Columbus, OH 43201
Bob Wunderlich	DOE-SRPO	505 King Avenue Columbus, OH 43201
Linda McClain	DOE-SRPO	505 King Avenue Columbus, OH 43201
Beth Darrough	DOE-SRPO	505 King Avenue Columbus, OH 43201
Alan Handwerker	DOE-SRPO	505 King Avenue Columbus, OH 43201
Jo-Ann Sherwin	DOE-SRPO	505 King Avenue Columbus, OH 43201
Leslie Casey	DOE-SRPO	505 King Avenue Columbus, OH 43201
Bob Waters	DOE-SRPO	505 King Avenue Columbus, OH 43201

<u>NAME</u>	<u>AFFILIATION</u>	<u>ADDRESS</u>
Raj Sharma	DOE-SRPO	505 King Avenue Columbus, OH 43201
Steve Webster	DOE-SRPO	505 King Avenue Columbus, OH 43201
Stan Goldsmith	Battelle-ONWI	505 King Avenue Columbus, OH 43201
Don Keller	Battelle-ONWI	505 King Avenue Columbus, OH 43201
Matt Golis	Battelle-ONWI	505 King Avenue Columbus, OH 43201
Helen Latham	Battelle-ONWI	505 King Avenue Columbus, OH 43201
Bill Merriman	Battelle-ONWI	505 King Avenue Columbus, OH 43201
Diane Cattran	Battelle-ONWI	505 King Avenue Columbus, OH 43201
Debra Halliday	Battelle-ONWI	505 King Avenue Columbus, OH 43201

**ATTACHMENT 2**

AGENDA  
FIFTH BIMONTHLY MEETING  
WITH SALT STATES REPRESENTATIVES AND NRC

MARCH 29-30, 1984

BATTELLE'S OFFICE OF NUCLEAR WASTE ISOLATION  
1375 PERRY STREET  
COLUMBUS, OHIO

Thursday, March 29 - Project Management Center (13-4-160)

8:30 - 9:00 a.m.	Opening Remarks and Program Update	T. Taylor
9:00 - 10:45 a.m.	Technical Data: EA "Data Sheets" Status of TDMS	R. Wunderlich M. Golis
10:45 - 11:30 a.m.	Preview of EA Chapter II: Application of Disqualifiers to 7 Sites	R. Wunderlich
11:30 - 12:15 p.m.	EA Schedule, State Interactions	R. Wunderlich/ T. Taylor
12:15 - 1:30 p.m.	Lunch - Cafeteria Room 3	
1:30 - 3:30 p.m.	Mission Plan, Vol. II	R. Stein
3:30 - 4:00 p.m.	Public Information Update	D. Keller/ H. Latham
4:00 - 5:00 p.m.	State C&C Grants	B. Gale

Friday, March 30 - Project Management Center (13-4-160)

8:30 - 9:30 a.m.	NRC Presentation	
9:30 - 10:30 a.m.	States' Critique/Recommendation of C&C Process	
10:30 - 11:30 a.m.	States' Caucus	
11:30 - Noon	States' Response, Discussion	

Optional individual appointments with DOE and ONWI personnel can be arranged during the afternoon.



**ATTACHMENT 3**



MARK WHITE  
GOVERNOR

OFFICE OF THE GOVERNOR  
STATE CAPITOL  
AUSTIN, TEXAS 78711

NUCLEAR WASTE PROGRAMS OFFICE  
P. O. Box 12428  
AUSTIN, TEXAS  
(512) 475-4444

### ORGANIZATION CHART

GOVERNOR MARK WHITE

GENERAL COUNSEL DIVISION  
MYRA A. McDANIEL, GENERAL COUNSEL

NUCLEAR WASTE PROGRAMS OFFICE  
STEVE FRISHMAN, DIRECTOR  
R. DAN SMITH, ASSISTANT DIRECTOR  
DIANE PEDERSEN, ADMINISTRATIVE ASSISTANT

**ATTACHMENT 4**

**BIMONTHLY SALT STATE MEETING  
SALT ENVIRONMENTAL ASSESSMENTS**

**R. WUNDERLICH  
MARCH 29 AND 30, 1984**

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## **AGENDA ITEMS**

**OVERALL STATUS**

**PREFERRED SITE EVALUATION**

**DISQUALIFIER ANALYSIS**

## **OVERALL STATUS**

- **PRELIMINARY DRAFT OF SEVEN SALT EAs PREPARED**
- **ANNOTATED TABLE OF CONTENTS REVISED**
- **RECOMMENDATION ON GULF COAST GEOHYDRO-LOGIC SETTING PREPARED**
- **IN-SCOPE ISSUES CONTINUE TO BE EVALUATED**
- **SOME SCHEDULE REVISIONS**
- **DATA SHEETS UNDER PREPARATION—SRPO REVIEW INITIATED**
- **DISQUALIFIER ANALYSES CONTINUING**

## ANNOTATED TABLE OF CONTENTS

Chapter		Title
Revised	Previous	
1	1	Summary of the Decision Process Leading to Site Nomination
2	2	Decision Process by Which the Site Proposed for Nomination Was Identified
3	3	The Site and the Repository
4	5	Expected Effects of Site Characterization Activities
5	6	Regional and Local Effects of Locating a Repository at the Site
6	4	Suitability of the Site for Site Characterization and for Development as a Repository
7	7	Comparative Evaluation of Sites

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## **SUMMARY OF REVISIONS TO ANNOTATED TABLE OF CONTENTS**

- **DISQUALIFIER ANALYSIS MOVED TO REVISED CHAPTER 6 WITH ONLY A SUMMARY TABLE REMAINING IN CHAPTER 2**
- **SECTION 3.2 (THE REPOSITORY) MOVED TO THE BEGINNING OF REVISED CHAPTER 5**
- **CHAPTERS 4, 5, AND 6 RENUMBERED**



## **SCHEDULE FOR DEVELOPMENT OF SEVEN SALT EAs\***

**PARTIAL DRAFTS OF SEVEN SALT EAs PREPARED  
NEXT DRAFT DUE TO DOE-HQ ON MAY 9, 1984  
FINAL DRAFT DUE TO DOE-HQ ON JUNE 1, 1984**

**\*Based on March 23, 1984 Annotated Outline and  
November 18, 1983 Siting Guidelines**

COMPARISON OF SALT SITES  
WITHIN GEOHYDROLOGIC  
SETTINGS

(1) PREFERRED SALT SITE METHODOLOGY

OBJECTIVE:

TO IDENTIFY A PREFERRED SITE IN EACH OF  
THE THREE SALT GEOHYDROLOGIC SETTINGS.

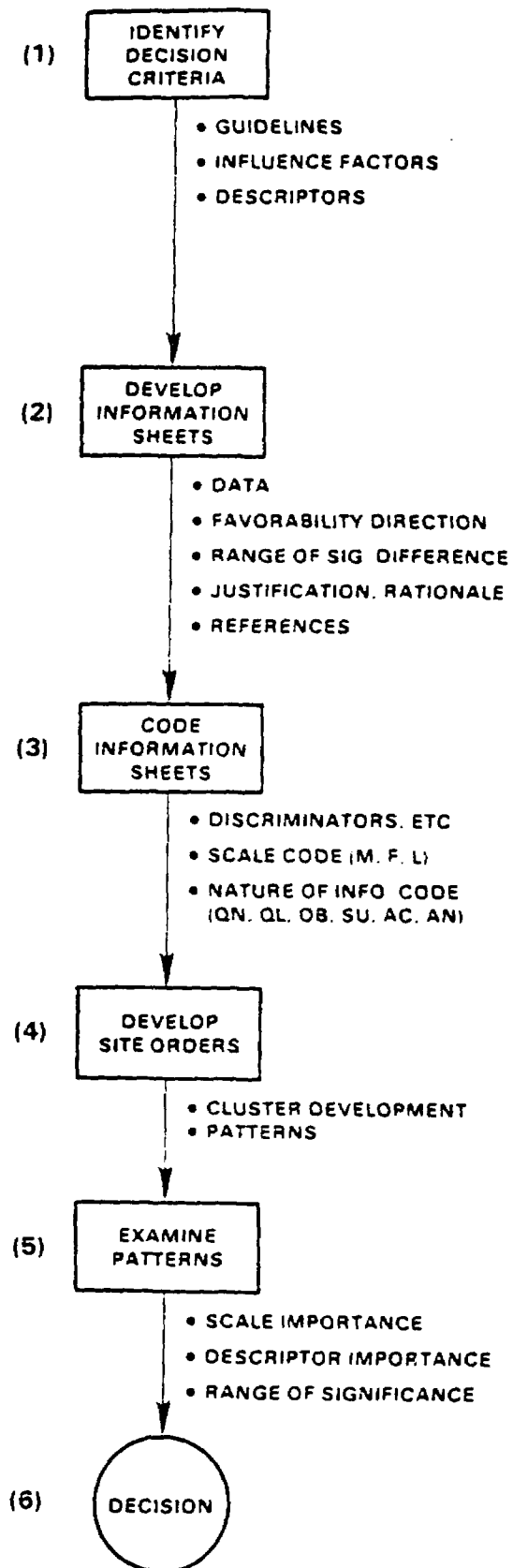
BASIS:

REQUIRED BY SECTION 960.3-2-2-2, SELECTION OF SITES  
WITHIN GEOHYDROLOGIC SETTINGS, OF THE SITING GUIDELINES.

## METHODOLOGY CHARACTERISTICS

- COMPREHENSIVE (CONSISTENT WITH THE GUIDELINES)
- CREDIBLE (TRANSPARENT)
- REPLICABLE (PATTERN RECOGNITION)
- NUMERICAL SCALING EMPLOYED (-, 0, +)
- PARTICIPATORY ( WELL DOCUMENTED FOR OUTSIDE REVIEW)
- CAPABLE OF USING WEIGHTING (POSTCLOSURE VERSUS PRECLOSURE)

## METHODOLOGY APPLICATION: PROCESS



5

NO. OF DESCRIPTORS IN  
INFLUENCE FACTOR CATEGORIES

POSTCLOSURE (9)

NO. OF DESCRIPTORS

GEOHYDROLOGY	17
GEOCHEMISTRY	8
ROCK CHARACTERISTICS	4
CLIMATIC CHANGES	1
EROSION	1
DISSOLUTION	1
TECTONICS	4
HUMAN INTERFERENCE (HUMAN RESOURCES)	4
HUMAN INTERFERENCE (SITE OWNERSHIP & CONTROL)	3

SUBTOTAL 43

PRECLOSURE (11)

POPULATION DENSITY & DISTRIBUTION	4
SITE OWNERSHIP & CONTROL	3
METEOROLOGY	3
OFFSITE INSTALLATIONS & OPERATIONS	2
ENVIRONMENTAL QUALITY	10
SOCIOECONOMIC IMPACTS	9
TRANSPORTATION	14
SURFACE CHARACTERISTICS	3
ROCK CHARACTERISTICS	7
HYDROLOGY	2
TECTONICS	<u>3</u>

SUBTOTAL 60

TOTAL 103

COMPARATIVE EVALUATION OF POTENTIAL REPOSITORY SITES  
List of Influence Factors and Descriptors  
Based on DOE November 18, 1983 Guidelines

Current Classification	Guideline Paragraph Reference	Influence Factor	Descriptor
PA1	960.4-2-1 b1, b2	GEOHYDROLOGY	A. Expected ground-water travel time in the host rock
	b1		B. Prewaste ground-water travel time outside the host rock
			C. Deleted
	b2		D. Hydrologic processes
	b3, c3		E. Geohydrologic modeling
	b5(i)		F. Hydraulic conductivity in geohydrologic units
	b5(ii)		G. Hydraulic gradient within geohydrologic units
	b5(iii)		H. Potentiometric head difference between surrounding geohydrologic units
	b6(i)		I. Saturation level in and around host rock (unsaturated zone)
	b6(ii)		J. Depth of water table (unsaturated zone)
	b6(iii)		K. Presence of geohydrologic diversion units above host rock (unsaturated zone)
	b6(iv)		L. Host rock drainage (unsaturated zone)
	b6(v)		M. Precipitation and evapotranspiration (unsaturated zone)
	b7		N. Total dissolved solids concentration in ground water
	c1		O. Expected changes in hydraulic gradient
	c1		P. Expected changes in hydraulic conductivity
	c1		Q. Expected changes in ground-water flux
	c2		R. Presence of potable or irrigation ground water along flow paths

Current Classification	Guideline Paragraph Reference	Influence Factor	Descriptor
PA2	960.4-2-2	GEOCHEMISTRY	<ul style="list-style-type: none"> <li>A. Nature and rates of geochemical processes</li> <li>B. Geochemical conditions inhibiting radionuclide transport - inside repository</li> <li>C. Geochemical conditions inhibiting radionuclide transport - outside repository</li> <li>D. Stability of mineral assemblages under expected repository conditions</li> <li>E. Expected dissolution of radionuclides in the repository</li> <li>F. Retardation factors - outside the repository</li> <li>G. Geochemical effects on sorption or rock strength</li> <li>H. Ground water effects on engineered barrier system</li> </ul>
	b1		
	b2		
	b2		
	b3		
	b4		
	b5		
	c2		
	c3		
PA3	960.4-2-3	ROCK CHARACTERISTICS	<ul style="list-style-type: none"> <li>A. Vertical thickness of host rock</li> <li>B. Areal extent of host rock</li> <li>C. Fracture healing characteristics of rock salt</li> <li>D. Deleted</li> <li>E. Deleted</li> <li>F. Deleted</li> <li>G. Effects of waste heat on waste isolation</li> </ul>
	b1		
	b1		
	b2		
	c2, c3		
PA4	960.4-2-4	CLIMATIC CHANGES	<ul style="list-style-type: none"> <li>A. Effects of climatic change on waste isolation</li> </ul>
	b1,b2,c1,c2		
PA5	960.4-2-5	EROSION	<ul style="list-style-type: none"> <li>A. Rate of erosion</li> </ul>
	b1,b2,b3,c1,c2		
PA6	960.4-2-6	DISSOLUTION	<ul style="list-style-type: none"> <li>A. Host rock dissolution</li> </ul>
	b,c		



Current Classification	Guideline Paragraph Reference	Influence Factor	Descriptor
PA7	960.4-2-7 b,c2,c5,c6 c1	TECTONICS	A. Tectonic processes that affect isolation B. Tectonic and igneous activity in Quaternary C. Deleted D. Deleted E. Deleted F. Deleted G. Maximum ground acceleration H. Magnitude and frequency of earthquakes
	c2,c3 c4		
PA8	960.4-2-8-1 b, c1,c4	HUMAN INTERFERENCE (Natural Resources)	A. Presence of natural resources B. Deleted C. Presence of mines D. Deep drilling history E. Human activities affecting ground-water flow
	c2 c3 c5		
PA9	960.4-2-8-2 b b c	HUMAN INTERFERENCE (Site ownership and control)	A. Present land ownership and control B. Surface and subsurface mineral rights C. Land acquisition

Current Classification	Guideline Paragraph Reference	Influence Factor	Descriptor
PB1	960.5-2-1	POPULATION DENSITY AND DISTRIBUTION	<ul style="list-style-type: none"> <li>A. Proximity to highly populated areas</li> <li>B. Proximity to places with &gt; 1000 persons in a 1 mi<sup>2</sup> area</li> <li>C. Regional population density</li> <li>D. Population within site boundaries</li> </ul>
PB2	960.5-2-2	SITE OWNERSHIP AND CONTROL	<ul style="list-style-type: none"> <li>A. Present land ownership and control</li> <li>B. Surface and subsurface mineral and water rights</li> <li>C. Land acquisition</li> </ul>
PR3	960.5-2-3	METEOROLOGY	<ul style="list-style-type: none"> <li>A. Dispersion of potential radioactive releases</li> <li>B. Potential for public exposure</li> <li>C. History of extreme weather</li> <li>D. Deleted</li> <li>E. Deleted</li> <li>F. Deleted</li> <li>G. Deleted</li> <li>H. Deleted</li> <li>I. Deleted</li> <li>J. Deleted</li> </ul>
PB4	960.5-2-4	OFFSITE INSTALLATIONS AND OPERATIONS	<ul style="list-style-type: none"> <li>A. Offsite nuclear facilities</li> <li>B. Presence of nearby hazardous installations or operations</li> </ul>

Current Classification	Guideline Paragraph Reference	Influence Factor	Descriptor
PB5	960.5-2-5 b1,c1	ENVIRONMENTAL QUALITY	A. Anticipated ability to comply with applicable environmental requirements
	b1		B. Air quality
	b1,b2		C. Aesthetics
	b1,b2		D. Noise
	b2		E. Access corridors
	b1,b2		F. Water quality
	c3		G. Dedicated Federal lands
	c4		H. State park land
	c5		I. Native American or cultural resources
	c6		J. Threatened or endangered species' habitat
PB6	960.5-2-6 a	SOCIOECONOMIC IMPACTS	A. Increased resource competition
	b1,c1		B. Deleted
	b2,c2		C. Housing and related services
	b3		D. Adequacy of local labor force
	b3		E. Potential net increases in local employment
	b3		F. Potential net increases in local business sales
	b4,c4		G. Potential increases in local government revenues
	c3		H. Potential disruptions to the regional economic base
	a		I. Water limitations on future development
			J. Potential for social problems

Current Classification	Guideline Paragraph Reference	Influence Factor	Descriptor
PB7	960.5-2-7	TRANSPORTATION	
	b1(i,iii),c1,c2 b1(ii),c4 b1(v) b2,c3  b3,c3 b4 b5,c4 b5,c2,c4 b6 b7 b8  b9 c4		A. Access routes: construction cost B. Federal condemnation for land for access routes C. Access route infringement on local cities/towns D. Proximity to adequate existing highways/ railways E. Proximity to national transportation system F. Railroad interchanges G. Transportation life-cycle costs H. Waste transportation risks I. Regional waste carriers J. Adoption of Federal transportation regulations K. State and local transportation accident response plans L. Delays caused by weather M. Local environmental impact N. Enactment of state or local laws in governing high-level nuclear waste transportation
PB8	960.5-2-8 b1 c, 960.5-2-10 b1,h2 b2	SURFACE CHARACTERISTICS	A. Terrain with low relief B. Potential flooding of surface and underground facilities C. Drainage of site
PB9	960.5-2-9 b1,c1 b1,c1 b2,c2	ROCK CHARACTERISTICS	A. Vertical thickness of host rock B. Areal extent of host rock C. Extent of required artificial support for underground openings

Current Classification	Guideline Paragraph Reference	Influence Factor	Descriptor
	c3 c4 c5 b2,c2		D. Extent of maintenance of underground openings E. Retrieval difficulty and hazards F. Hazards due to anomalies in host rock G. Host rock discontinuities above and below repository openings
PB10	960.5-2-10 b1  c	HYDROLOGY	A. Presence of aquifers between host rock and land surface B. Complexity of required engineering ground-water control measures
PB11	960.5-2-11 b,c2 c1 c3	TECTONICS	A. Expected preclosure impact of earthquakes B. Active faulting C. Maximum credible earthquake

## DEVELOPMENT OF SITE ORDER

BASED ON GUIDELINES, PLAN OF ANALYSIS IS:

### IN DECREASING ORDER OF IMPORTANCE

#### POSTCLOSURE CLUSTERS

CHARACTERISTICS AND PROCESSES  
THAT AFFECT EXPECTED  
REPOSITORY PERFORMANCE  
PROCESSES AND EVENTS THAT  
COULD BE POTENTIALLY  
DISRUPTIVE TO EXPECTED  
REPOSITORY PERFORMANCE

#### PRECLOSURE CLUSTERS

- (1) PRECLOSURE RADIOLOGICAL  
SAFETY
- (2) ENVIRONMENT, SOCIOECONOMICS,  
AND TRANSPORTATION
- (3) EASE AND COST OF CONSTRUCTION,  
OPERATION, AND CLOSURE

(CONTINUED)

DEVELOPMENT OF SITE ORDER

$$\begin{array}{l} \text{SCALE ORDER OF EACH} \\ \text{SITE IN EACH CLUSTER} \end{array} = \sum M - \sum L$$

PRELIMINARY ASSUMPTIONS:

- EQUAL IMPORTANCE AMONG INFLUENCE FACTORS WITHIN CLUSTERS
- EQUAL IMPORTANCE AMONG DESCRIPTORS WITHIN INFLUENCE FACTORS IN THE SAME CLUSTER
- EQUAL SIGNIFICANCE OF M's AND L's BETWEEN DESCRIPTORS IN THE SAME INFLUENCE FACTOR, BETWEEN DESCRIPTORS WITHIN SAME INFLUENCE FACTOR, AND BETWEEN DESCRIPTORS OF DIFFERENT CLUSTERS
- INDEPENDENT DESCRIPTORS

## DEVELOPMENT OF SITE ORDER

### FOUNDATIONS OF SITE SELECTION PROCEDURE

- IDENTIFY DIFFERENCES BETWEEN SITES  
IN THE SAME GEOHYDROLOGIC SETTING .
- MAXIMIZE CHANCES OF SELECTING SUPERIOR  
SITE IN A GEOHYDROLOGIC SETTING
- MINIMIZE CHANCES OF SELECTING INFERIOR  
SITE IN A GEOHYDROLOGIC SETTING



## PATTERN EXAMINATION

- (1) DECIDE IF ALL INFLUENCE FACTORS IN A CLUSTER HAVE EQUAL IMPORTANCE
- (2) DECIDE IF ALL DESCRIPTORS IN AN INFLUENCE FACTOR IN A CLUSTER HAVE EQUAL IMPORTANCE
- (3) DECIDE IF THE SCALES (M, L) ASSIGNED TO TWO OR MORE DESCRIPTORS (FROM TWO OR MORE CLUSTERS WITH REVERSE ORDERS) HAVE EQUAL SIGNIFICANCE
- (4) EXAMINE "NATURE OF INFORMATION" TO DETERMINE RELIABILITY OF SCALES
- (5) READ DATA SHEET(S) COMPLETELY

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## HEADINGS FOR CHAPTER 3, ENVIRONMENTAL ASSESSMENTS

### Chapter 3 THE SITE AND THE REPOSITORY

#### 3.1 THE SITE

##### 3.1.1 Location, General Appearance and Terrain, and Present Uses

##### 3.1.2 Geologic Conditions

##### 3.1.2.1 Regional Geology

##### 3.1.2.2 Geomorphology

##### Physiography

##### Erosion Processes

##### Paleoclimate

##### 3.1.2.3 Stratigraphy

##### Regional

##### Site Specific

##### 3.1.2.4 Paleontology

##### 3.1.2.5 Structure and Tectonics

##### Faulting

##### Seismicity

##### Igneous activity

##### Uplift, subsidence, and folding

##### Diapir development

##### Dissolution

##### 3.1.2.6 Rock Characteristics

##### Geomechanical Properties

##### Thermal properties

##### Natural radiation

##### 3.1.2.7 Geochemistry

3.1.2.8 Mineral Resources

Hydrocarbon resources

Other resources

3.1.2.9 Soils

3.1.3 Hydrologic Conditions

3.1.3.1 Surface Water

Hydrology

Surface water quality

Flooding

3.1.3.2 Ground Water

Hydrology and modeling

Ground water quality

3.1.3.3 Water Supply

3.1.4 Environmental Setting

3.1.4.1 Land Use

Existing land use patterns (e.g. agriculture, industry, private and commercial development, recreation, and dedicated lands).

Land ownership

3.1.4.2 Terrestrial and Aquatic Ecosystems

Terrestrial ecosystems

Flora.

Fauna.

Aquatic ecosystems

Wetlands.

Riparian habitats.

Threatened and Endangered Species

3.1.4.3 Air Quality and Weather Conditions

Existing air quality

Dispersion and mixing heights

Temperature

Precipitation

Winds

Severe weather

3.1.4.4 Noise

3.1.4.5 Aesthetic Resources

3.1.4.6 Archeological, Cultural, and Historical Resources

Prehistoric and historical background

Archaeological resources

Cultural resources

Historical resources

3.1.4.7 Radiological Background

(New 4th Level)

3.1.5 Transportation and Utilities

3.1.5.1 Roads

(New 4th Level)

Pattern (local and regional roads)

Traffic capacity

Special issues (congested areas, bridges, route structures, etc.)

3.1.5.2 Railroads

(New 4th Level)

Pattern (local and regional roads)

Traffic capacity

Special issues (congested areas, bridges, route structures, etc.)

3.1.5.3 Airports

(New 4th Level)

3.1.5.4 Waterways

(New 4th Level)

3.1.5.5 Utilities

(New 4th Level)

Electric

Gas

Water supply and sewage treatment

### 3.1.6 Socioeconomic Conditions

#### 3.1.6.1 Population Density and Distribution

Population density

Population distribution

Population growth

Population characteristics

#### 3.1.6.2 Economic Conditions

Employment

Unemployment

Per capita income trends

Other economic activities (tourism, economic activity on Indian lands,  
special issues, etc.)

#### 3.1.6.3 Community Services

Housing

Education

Health services

Recreation

Protective services

Water supply

Sewage treatment and solid waste disposal

#### 3.1.6.4 Social Conditions

Community lifestyle and heritage

Social indicators

Social well-being

#### 3.1.6.5 Fiscal Conditions and Government Structure

Fiscal conditions

Government structure

### 3.2. THE REPOSITORY

3.2.1 Surface Facilities

3.2.2 Subsurface Facilities

3.2.3 Repository Operations

## REVIEW POINTS

### A. Descriptor Title and Definition:

- o Is the descriptor relevant to the guideline?
- o Is the descriptor important to the comparative evaluation process?
- o Is the descriptor definition adequate?
  - should any descriptors be combined or split?
  - should more descriptors be developed to capture the essence of a particular guideline?

### B. Available Data, Unit of Measure:

- o Are the data requirements relevant to the descriptor definition (hence the guideline)?
- o Are the units of measurement pertinent to the descriptor definitions?

### C. Nature of Interrelations:

- o If interrelationships are specified, is there sufficient details provided for ease of understanding?
- o If no interrelationships are specified, do interrelations exist that are important and relevant to the comparative evaluation?

### D. Underlying Assumptions/Rationale/Reasoning:

- o Are the assumptions reasonable?
- o Are there sufficient details provided such that the data are understandable within the proper context?

### E. Favorability Direction:

- o Is the favorability direction reasonable?

### F. Size/Range of Significant Difference:

- o Is the significant difference reasonable?

### G. Data Code:

- o Are the data codes appropriate?



**ATTACHMENT 5**

LOUISIANA

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**ATTACHMENT 6**

**TDMS PROGRESS**  
**January-March**

● **SRP - Technical Data Base**

- Access codes arranged so that States/NRC can have direct access.
- Initial data entries reviewed and modified to reflect most accurate status (over 250 items changed, contents checked by GPMs)
- Developed protocols for laser printing handbook sections directly from the data base.
- New records (3) designed to capture environmental and quality data
  - Air Quality
  - Background Sound Level
  - Methods Used & Uncertainty
- Established Technical Steering Committee

● **Technical Information**

- |  |                  |
|--|------------------|
| ● 3,000 ONWI records added to RIS since January 1                    | (Total = 82,900) |
| ● RTPs 14,000 + records added since January 1                        | (Total = 49,700) |
| ● Sample Inventory Management System data base structure implemented | (demo only 3/23) |
| ● EA documentation tracking (status) implemented                     | (Total = 900)    |
| ● Controlled access library established (in support of EA)           | 850 documents    |



**ATTACHMENT 7**



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# **MISSION PLAN BRIEFING**

**March 29, 1984**

**Ralph Stein  
Acting Deputy Director**

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**Office of Geologic Repository Deployment  
Office of Civilian Radioactive Waste Management**

3/29/84

# **MISSION PLAN**

## **OUTLINE**

- **REQUIREMENTS OF THE ACT**
- **WORK-TO-DATE**
- **EXPECTED CONTENT OF DRAFT MISSION PLAN**
  - **SCHEDULE**
  - **KEY ISSUES**
- **CONCLUSIONS**

# **MISSION PLAN**

## **REQUIREMENTS OF THE ACT**

- **REQUIRED BY SECTION 301 OF NUCLEAR WASTE POLICY ACT**
- **ACT SPECIFIES 11 ITEMS FOR INCLUSION IN MISSION PLAN**
- **ACT REQUIRES DRAFT BY APRIL 7, 1984, AND FINAL BY JUNE 7, 1984**
- **DOE APPROACH IS TO HAVE MISSION PLAN NOT ONLY COVER 11 ITEMS IN THE ACT, BUT TO DESCRIBE THE GENERAL STRATEGY AND PLANS FOR ALL ACTIVITIES UNDER OFFICE OF COMMERCIAL RADIOACTIVE WASTE MANAGEMENT**
  - **VOLUME I COVERS STRATEGY AND PLANS**
  - **VOLUME II ADDRESSES THE 11 SPECIFIC ITEMS**

# **MISSION PLAN**

## **WORK-TO-DATE**

- **IN DECEMBER 1983, AN INFORMAL DRAFT WAS CIRCULATED FOR REVIEW BY STATES, CONGRESS, OTHER FEDERAL AGENCIES, AND SOME INTERESTED PARTIES**
- **ABOUT 40 COMMENT LETTERS RECEIVED WITH SEVERAL HUNDRED SPECIFIC COMMENTS**
  - **WIDE RANGE OF COMMENTS**
    - **SCHEDULE TOO SLOW**
    - **SCHEDULE TOO FAST**
    - **NOT ENOUGH DETAIL**
    - **DOES NOT MAKE DECISIONS**
    - **REPEATS ACT**
- **MANY COMMENTS HAVE BEEN INCORPORATED IN CURRENT DRAFT WHICH IS BEING PREPARED FOR REVIEW AND CONCURRENCE**

# MISSION PLAN

## EXPECTED CONTENT OF DRAFT MISSION PLAN

- GOAL IS TO HAVE DISPOSAL CAPABILITY BY 1998 WITH A TECHNICALLY SOUND AND INSTITUTIONALLY CREDIBLE PROGRAM
- RANGE OF DURATIONS EXISTS FOR ALMOST ALL ACTIVITIES LEADING TO REPOSITORY OPERATIONS
- MORE SCHEDULE OPTIONS WILL BE CONSIDERED:
  - MEET MILESTONES IN ACT (3/88 FOR SITE RECOMMENDATION AND 1/98 FOR REPOSITORY OPERATIONS)
  - RECOMMEND SITE BY 6/90, THEN
    - RECEIVE ONE FULL CONSTRUCTION AUTHORIZATION, AND BUILD THE REPOSITORY IN 2 STAGES
    - RECEIVE ONE FULL CONSTRUCTION AUTHORIZATION, AND BUILD THE REPOSITORY IN ONE STAGE
    - RECEIVE TWO CONSTRUCTION AUTHORIZATIONS (THE FIRST IS FOR SURFACE FACILITIES AND THE SECOND IS FOR SUBSURFACE FACILITIES), AND CONSTRUCT EACH AS SOON AS POSSIBLE

DRAFT . .

# MISSION PLAN

## PRE-CONSTRUCTION REPOSITORY SCHEDULE

- ISSUE SITING GUIDELINES 6/84
- ISSUE DRAFT EAs 8/84
- ISSUE EAs, NOMINATE AND RECOMMEND 12/84
- PRESIDENT APPROVES SITES 2/85
- CONSTRUCTION SHAFTS BEGIN IN 1985 AND 1986
- ISSUE DEIS 9/89
- ISSUE FEIS 3/90
- RECOMMEND SITE TO CONGRESS 6/90
- SUBMIT CONSTRUCTION AUTHORIZATION APPLICATION  
TO NRC 8/90

# **MISSION PLAN**

## **CONSTRUCTION SCHEDULE**

- **TWO STAGE CONSTRUCTION**
  - **RECEIVE FULL NRC CONSTRUCTION AUTHORIZATION 8/93**
  - **DO STAGE 1 CONSTRUCTION AND TESTING (200-400 MTU/YR) 8/93 — 1/98**
  - **DO STAGE 2 CONSTRUCTION AND TESTING (1800-3000 MTU/YR) 8/93 — 2/2001**
- **ONE STAGE CONSTRUCTION**
  - **RECEIVE FULL NRC CONSTRUCTION AUTHORIZATION 8/93**
  - **DO CONSTRUCTION AND TESTING (1800-3000 MTU/YR) 6/99**
- **TWO STEP NRC CONSTRUCTION AUTHORIZATION APPLICATION (CAA)**
  - **SUBMIT CAA-1 TO NRC FOR SURFACE FACILITIES 3/89**
  - **SUBMIT CAA-2 TO NRC FOR SUBSURFACE FACILITIES 8/90**
  - **RECEIVE CA-1 3/92**
  - **DO CONSTRUCTION AND TESTING OF SURFACE FACILITIES 3/92 — 1/98**
  - **RECEIVE CA-2 8/93**
  - **DO CONSTRUCTION AND TESTING OF SUBSURFACE FACILITIES 8/93 — 1/98**



# **MISSION PLAN**

## **ITEMS REQUIRED BY THE ACT**

- **IDENTIFICATION OF INFORMATION NEEDS**
- **PLANS FOR ACQUIRING INFORMATION NEEDS**
- **EVALUATION OF FINANCIAL, POLITICAL, LEGAL, OR INSTITUTIONAL IMPEDIMENTS**
- **TEST AND EVALUATION FACILITY**
- **STATUS OF R&D WITH RESPECT TO INFORMATION REQUIREMENTS**
- **GENERAL SITING GUIDELINES**
- **DESCRIPTION OF SITE CHARACTERIZATION ACTIVITIES**
- **DATA ON WASTE SOLIDIFICATION AND WASTE PACKAGE DEVELOPMENT**
- **ESTIMATE OF REPOSITORY CAPACITIES AND CONSTRUCTION SCHEDULE**
- **COST ESTIMATES**
- **IDENTIFICATION OF ADVERSE SOCIOECONOMIC IMPACTS**

# MISSION PLAN

## VOLUME II CHAPTERS

### CHAPTER 1 — INFORMATION NEEDS

- USES A HIERARCHY RELATED TO THE GUIDELINES
- KEY ISSUES
- ISSUES
- INFORMATION NEEDS

### CHAPTER 2 — PLANS FOR OBTAINING INFORMATION

- DESCRIBED BY WORK BREAKDOWN STRUCTURE (SITE, REPOSITORY, WASTE PACKAGE, ETC)
- INCLUDES INDEX OF INFORMATION NEEDS AND PLANS

### CHAPTER 3 — FINANCIAL, POLITICAL, LEGAL AND INSTITUTIONAL IMPEDIMENTS

- DESCRIBES 16 IMPEDIMENTS
- INCLUDES DEPARTMENTS PROPOSED RESOLUTION

### CHAPTER 4 — TEST AND EVALUATION FACILITY

### CHAPTER 5 — RESULTS OF R&D ON VARIOUS MEDIA

- DESCRIBED IN TERMS OF GEOLOGY, HYDROLOGY, GEOCHEMISTRY, AND GEOMECHANICS

# **MISSION PLAN**

## **VOLUME II CHAPTERS (Continued)**

---

### **CHAPTER 6 — SITING GUIDELINES**

### **CHAPTER 7 — SITE CHARACTERIZATION**

- **DESCRIBES SITES AND GENERAL AREAS OF CHARACTERIZATION**
- **DESCRIBES PLANS RELATING TO CONTROL OF ADVERSE IMPACTS AND DECOMMISSIONING OF SITES**

### **CHAPTER 8 — R&D PLANS FOR WASTE PACKAGES**

- **DESCRIBES PACKAGES USED FOR EACH ROCK TYPE**

### **CHAPTER 9 — WASTE GENERATION RATES AND REPOSITORY SCHEDULES**

- **INCLUDES WASTE PROJECTIONS, CONSTRUCTION SCHEDULES AND WASTE ACCEPTANCE RATES**

### **CHAPTER 10 — COSTS**

- **DESCRIBES DEVELOPMENT AND ENGINEERING COSTS**
- **ALSO INCLUDES CONSTRUCTION, OPERATION AND DECOMMISSIONING COSTS**
- **INCLUDES TRANSPORTATION COSTS**

### **CHAPTER 11 — SOCIOECONOMIC IMPACTS**

- **DESCRIBES IMPACTS ON DEMOGRAPHY, ECONOMICS, COMMUNITY SERVICES AND SOCIETY**

**DRAFT**

# **MISSION PLAN**

## **KEY ISSUES**

- **NEED FOR 3 SUITABLE SITES — WHEN**
- **ABILITY TO MEET SCHEDULE WITH BUDGET CONSTRAINTS**
- **USE OF EXPLORATORY SHAFTS FOR REPOSITORY CONSTRUCTION AND OPERATIONS**
- **ALTERNATIVE LICENSING PROCEDURES WITH NRC**
- **ROLE OF MRS FACILITY**

# **MISSION PLAN**

## **CONCLUSIONS**

- **MORE DETAIL WILL BE AVAILABLE PARTICULARLY IN VOLUME II**
- **MORE SCHEDULE OPTIONS WILL BE CONSIDERED**
- **MISSION PLAN WILL NOT REPLACE ENVIRONMENTAL ASSESSMENTS AND SITE CHARACTERIZATION PLANS AS THE MAJOR DOCUMENTS WHICH PROVIDE TECHNICAL DETAILS (SCPs AND EAs) AND THE BASIS FOR THE RECOMMENDATION OF SITES FOR CHARACTERIZATION (EAs)**
- **SCHEDULE IS VERY IMPORTANT, BUT NOT AT THE EXPENSE OF TECHNICAL OR INSTITUTIONAL ASPECTS OF THE PROGRAM**

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**UNREVIEWED AND UNEDITED DRAFT**

**Chapter 3**

**POTENTIAL FINANCIAL, POLITICAL, LEGAL,  
AND INSTITUTIONAL PROBLEMS**

*An evaluation of financial, political, legal, or institutional problems that may impede the implementation of this Act, the plans of the Secretary to resolve such problems, and recommendations for any necessary legislation to resolve such problems.*

**—Nuclear Waste Policy Act, Section 301(a)(3)**

This chapter discusses potential financial, political, legal, and institutional problems that may impede the implementation of the Act. The Department has identified the following potential problems:

- Acquiring access to or control of land
- State and local permit procedures
- State agency "start-up" time requirements
- State or local laws that are incompatible with DOE responsibilities
- Litigation by States, tribes, or other parties
- Failure to reach or implement a consultation and cooperation agreement
- Public apprehension and resultant public opposition
- Conflict over State representation of local interests
- Conflict between a State's executive and legislative branches
- State or tribal notice of disapproval of a site selected for a repository
- Timing of impact mitigation grants
- Transportation of waste through non-repository States
- Coordination with other Federal agencies
- Interpretation of Congressional intent
- Financial uncertainty
- Institutions to maintain long-term control and integrity of repository

**ATTACHMENT 8**

**PUBLIC INFORMATION UPDATE**

**GOVERNMENT LIAISON AND PUBLIC OUTREACH OFFICE**

**MARCH 29, 1984**

**ONWI**  
Office of Nuclear Waste Isolation

BATTELLE Project Management Division

## MAJOR NEW OUTREACH ACTIVITIES

- PRE-ENVIRONMENTAL ASSESSMENT INSTITUTIONAL ACTIVITIES
- PUBLIC PARTICIPATION PLAN
- INFORMATION EXCHANGES--STATUS
- LOCAL INFORMATION OFFICES--UPDATE

## PRE-EA INSTITUTIONAL ACTIVITIES

### ● COMMUNITY WORKSHOPS

- DESIGNED TO PREPARE PEOPLE TO REVIEW EAs AND PARTICIPATE IN EA PROCESS
- PURPOSE: DESCRIBE REQUIREMENTS FOR EA, ROLE IN DECISION PROCESS, CHAPTER OUTLINES
- HOW TO PARTICIPATE EFFECTIVELY
- SCHEDULED TWO OR THREE WEEKS BEFORE RELEASE OF THE EAs
- USE COMBINATION OF GENERAL SESSION AND ROUNDTABLE FORMAT

### ● MEDIA SEMINARS

- TIMED PRIOR TO COMMUNITY WORKSHOPS
- PURPOSE TO AID MEDIA IN PUTTING EA PROCESS IN CONTEXT
- SHOULD RESULT IN MEANINGFUL ADVANCE COVERAGE FOR WORKSHOPS
- PROVIDE BACKGROUND IN HANDLING STORIES ON EAs



## PUBLIC PARTICIPATION PLAN

- PARTICIPATION VS. INFORMATION
- TO BE DEVELOPED FOR USE FROM JULY, 1984, THROUGH 1987
- PURPOSE: TO ENCOURAGE PEOPLE TO BECOME INVOLVED, INTERACT WITH OTHERS, EFFECTIVELY CONTRIBUTE TO REVIEW AND DECISION PROCESS, AND PROVIDE MEANINGFUL INPUT.
- TO BE PREPARED BY NONPARTISAN COMPANY RECOGNIZED IN AREA OF PUBLIC POLICY AND CITIZEN ACTIVISM
- TO BE IMPLEMENTED WITH CONTINUING ASSISTANCE OF PLAN ORIGINATOR
- WILL HAVE GENERAL ACTIVITIES AND SPECIFIC PROPOSALS TAILORED FOR EACH STATE
- PARTICIPATION PLAN WOULD INCLUDE WORKSHOPS, PLANNING MEETINGS TO RECOMMEND FUTURE ACTIVITIES, CRITIQUES OF DOE PUBLIC INFORMATION, ACCESS TO REGULAR INFORMATION, RECOMMENDATIONS FOR MORE INTENSIVE OUTREACH THROUGH SCHOOLS AND ORGANIZED GROUPS, COORDINATED LOCAL OUTREACH ACTIVITIES
- STATE AND LOCAL LEADERS WILL BE ASKED FOR SUGGESTIONS

## INFORMATION EXCHANGES

- FIRST ROUND COMPLETED--RESPONDING TO ISSUES FROM LAST SPRING'S HEARINGS
- SUBSEQUENT EXCHANGES DEVELOPED WITH LOCAL INPUT
- SECOND ROUND HELD IN UTAH FEBRUARY 29-MARCH 1
- NEXT SCHEDULED EXCHANGE IN SALT LAKE CITY MAY 5
- MISSISSIPPI OFFICIALS ASKING LOCAL PEOPLE TO SUBMIT LIST OF TOPICS
- LOUISIANA OFFICIALS WILLING TO ATTEND PLANNING SESSION
- PLANNING SESSION SCHEDULED IN TEXAS APRIL 3
- UTAH PLANNING GROUP DREW VARIETY OF VIEWPOINTS (MAYORS, "PRO" & "ANTI", LEAGUE, DEVELOPMENT AND TOURISM PEOPLE)

## STATUS OF LOCAL INFORMATION OFFICES

- OPERATED BY BATTELLE FOR DOE TO PROVIDE REGULAR ACCESS TO INFORMATION
- UTAH - TWO (MOAB & MONTICELLO) IN OPERATION 18 MONTHS, 12 MONTHS BY BATTELLE
- LOUISIANA - ONE (MINDEN), LEASE SIGNED, ADVERTISING IN PAPER FOR PART TIME STAFF PERSON . . . EXPECT TO BE OPEN IN A MONTH . . . NEWS RELEASE ABOUT OFFICE OPENING MAILED
- MISSISSIPPI - ONE (RICHTON), SPACE IDENTIFIED, LEASE GOING TO OWNER NEXT WEEK
- TEXAS - PLAN TO BEGIN SURVEY OF AVAILABLE SPACE IN APRIL

### OTHER PLANS FOR REMAINDER OF FY84

- ASSIST AT EA PUBLIC HEARINGS
- CONTINUE BIMONTHLY STATE MEETINGS
- FINALIZE SITE-SPECIFIC AV, EXHIBIT, AND PRINTED MATERIALS
- DOCUMENT EVENTS ON VIDEOTAPE
- CONTINUE INFORMATION MEETINGS, WITH STATE/LOCAL INVOLVEMENT
- EXHIBIT AT CONFERENCES IN SALT STATES
- CONTINUE DISTRIBUTION OF TECHNICAL INFORMATION

## OTHER PUBLIC INFORMATION ACTIVITIES

- STATE INVOLVEMENT
  - BIMONTHLY MEETINGS--5 HELD
  - EA WORKSHOPS, PROPOSED INTERACTION
  - PARTICIPATION IN PUBLIC MEETINGS INVITED
  
- PUBLIC OUTREACH ACTIVITIES
  - SPEAKERS BUREAU
  - LIBRARY SERVICES
  
- RESPONSE TO ISSUES FROM SPRING '83 EA/SCP HEARINGS
  - DISTRIBUTION OF TRANSCRIPTS
  - ISSUES ANALYSIS AND SUMMARY (ONWI-505 & 519)
  - FIRST ROUND OF INFORMATION EXCHANGES

## OTHER PUBLIC INFORMATION ACTIVITIES

### ● PUBLIC INFORMATION MATERIALS

#### PUBLICATIONS

- HANDOUTS
- TOPICAL FACT SHEETS

#### EXHIBITS

- INFORMATION OFFICES
- SALT STATE/REGIONAL EVENTS
- POSTERS FOR INFORMATION EXCHANGES AND SPEAKERS

#### AUDIOVISUAL MATERIALS

- SLIDE SHOWS FOR INFORMATION OFFICES
- SLIDE FILE FOR SPEAKERS, MEETINGS, DOCUMENTATION
- VIDEOTAPE DOCUMENTATION

### ● TECHNICAL INFORMATION

- TECHNICAL REPORTS PRODUCTION AND DISTRIBUTION
- MAILING LIST MAINTENANCE

**ATTACHMENT 9**

## OCRWM/State Financial Assistance Guidelines Policies

- o June 24, 1983 grants guidelines issued

### Purpose:

- establish single framework within which DOE project offices could respond to requests and negotiate and award grants
- ensure equity among states and tribes
- ensure activities funded are consistent with and justified by the NWPA

- o Four grant phases delineated

Phase I	Prenotification
Phase II	Notification
Phase III	Characterization
Phase IV	Construction

- o June 24 guidelines focus on Phases I and II

- o Salt states in Phase II

- grants for this phase authorized by Sections 116(c)(1)(A) and 118(b)(1) of the NWPA

- o June 24 guidelines delineate areas of permissible funding for Phase II grants. Examples:

- activities leading to C&C agreements
- review and comment (Siting Guidelines, EAs, SCPs)
- public information
- coordination activities
- analyses and studies

- o Overall goal of grants: maximize state and tribe involvement in repository program and enable state and tribes to participate in C&C activities and negotiations



- o Clear justification for all grant proposals is required

- OMB
  - GAO
  - utility industry
  - consumer groups

- o Justification is determined by:

- authorization in NWPA and June 24 guidelines
  - germaneness to program

- o Project office lead

- proposals evaluated in consultation with HQ
  - field has grant-making authority
  - HQ, with close field assistance, provides overall policy guidance

#### NEXT STEPS

- o Development of Phase III, site characterization, guidelines

- o GILOT

INTERNAL GENERAL GUIDELINES FOR IMPLEMENTING  
EARLY FINANCIAL ASSISTANCE PROGRAMS  
UNDER SECTIONS 116 AND 118 OF  
THE NUCLEAR WASTE POLICY ACT OF 1982

1.0 PURPOSE

The purpose of the financial assistance program under the Nuclear Waste Policy Act of 1982 (the Act) is to ensure that eligible states and affected Indian tribes have sufficient financial resources to participate in the repository development process as mandated by the Act. DOE is fully committed to the objective of ensuring timely and effective state and tribal participation and will use the financial assistance provisions of the Act as one means of assuring that states and tribes have adequate resources to meet this goal.

These are general guidelines. Because the needs and plans of the states and tribes involved in the different projects may vary substantially, individual DOE project offices will be required to deal with individual requests on a case-by-case basis. The purpose of the general guidance provided here is to assist DOE project offices by:

- o establishing a single framework within which DOE field offices can respond to requests and negotiate and award grants;
- o ensuring that all states and Indian tribes involved in the process are treated as equitably as possible; and
- o ensuring that activities funded by the grants are consistent with the Act.

The purpose of these guidelines is to assist DOE in awarding grants to states and tribes in the early phases of the repository development process, prior to negotiation of the formal DOE/state/tribe agreements. Grants made to states or tribes in later phases of the process, such as when sites have been approved for characterization by the President or have received a construction authorization from the Nuclear Regulatory Commission, are expected to flow logically from the consultation and cooperation (C&C) agreements negotiated with those states or tribes. Where they do not, additional guidance will be provided.

## 2.0 BACKGROUND

The financial assistance provisions of the Act relating to repository development are contained in Sections 116 and 118. Section 116 contains provisions applicable to the states and Section 118 contains similar provisions applicable to affected Indian tribes.

For purposes of this guidance, which repository development process has been divided into four phases: (I) prenotification; (II) notification/nomination; (III) characterization; and (IV) construction.

- Phase I. States or tribes which have not been formally notified by DOE as having "potentially acceptable" sites but in which exploratory/screening work is taking place. The Department has determined that grants may be awarded to these states or tribes prior to the time they have been notified as having potentially acceptable sites. These are referred to as "prenotification" or Phase I states or tribes and are the states/tribes which may at some future date be affected by sites under consideration for the second repository. The 17 "granite" states fall within this category.
- Phase II. States or affected tribes which have been notified under Section 116(a) of the Act that they have "potentially acceptable site" or sites for a repository. These are referred to as Phase II states or tribes. States/tribes currently (June 1983) eligible for Phase II grants are Washington, Nevada, Utah, Texas, Louisiana, Mississippi, and the Yakima Indian Nation. Sections 116(c)(1)(A) and 118(b)(1) of the Act explicitly provide for grants to states or tribes in this phase.
- Phase III. States or affected tribes with recommended candidate sites which have been approved for site characterization by the President. These are referred to as "characterization" or Phase III states or tribes. There will be three such sites in the selection process for the first repository and another three sites in the subsequent selection process for the second repository. Sections 116(c)(1)(B), 116(c)(3), 118(b)(4), and 118(b)(2)(A) of the Act specify the activities for which states and affected tribes may receive grants from DOE in this phase.

Phase IV. States or affected tribes with a site which has been authorized by the NRC for construction of a repository. These are referred to as "construction" or Phase IV states or tribes. This category will include only the sites ultimately selected for repositories. Sections 116(c)(2)(A), 116(c)(3), 118(b)(4), and 118(b)(3)(A) specify the activities for which states and affected tribes may receive grants from DOE in this phase.

This guidance focuses on financial assistance available during Phases I and II. States and Indian tribes are eligible for new grants as sites proceed from Phase I to Phase IV. New grant applications and awards are required for each of the phases identified above. There should be no lapse in funding as states and Indian tribes progress from one phase to the next. However, DOE may discontinue funding for sites that are not selected for the next phase, i.e., are eliminated during any phase. Guidelines for terminating grants are described in detail later in this guidance.

### 3.0 ELIGIBILITY FOR GRANTS

States/tribes which have been notified pursuant to Section 116(a) and Indian tribes certified as "affected" by the Secretary of the Interior are eligible to receive financial assistance under the Act. DOE has also determined that where the Department is conducting exploratory/screening activities prior to notification, states and tribes may be eligible for grants for a limited range of activities related to state/tribe review of and comment on DOE documents and plans.

### 4.0 RECIPIENTS OF GRANTS

#### 4.1 Indian Tribes

The Act identifies an Indian tribe as the appropriate recipient of grants issued under Section 118(b). It is expected that the governing body or tribal council will authorize and name individuals to act on behalf of the tribe.

#### 4.2 States

Groups within a state which could be potential grant recipients include:

1. The Governor's office or an office under the Governor -- either an existing department, an advisory board or a new agency dealing exclusively with the nuclear waste issue;
2. An office or board of the State legislature; and
3. A local governmental entity such as a county government office.

While the Department prefers to negotiate and award grants to a single entity within the state (as determined by the state) during Phases I and II, the needs of other legitimate parties within the state for financial support should be recognized.

## **5.0 ACTIVITIES FUNDED**

### **5.1 General**

The Act provides some guidance on allowable uses of the grants, which will vary depending on the phase of the repository development process in which the states or affected tribes are involved. Activities funded will also vary with the level of participation desired by the state or tribe.

Grant applications should contain a detailed description of activities planned by the state or Indian tribe for the term of the grant, as well as a budget that details the costs of conducting those activities. If a potential grantee wishes to procure contractor assistance, it must follow the procedures in DOE's Financial Assistance Rules 10 CFR Part 600 (47 FR 44076, October 5, 1982).

DOE's Financial Assistance Rules establish minimum requirements applicable to all grantees for reporting on the progress and expenditures of the program and maintaining a financial management system.

### **5.2 Phase I (Prenotification) States or Tribes**

DOE may award grants to these states or tribes primarily to fund state or tribal review of and comment on DOE documents and plans related to repository development activities within the state or tribal area. In addition, funds may be provided to

permit the state or tribe to prepare to negotiate a C&C agreement. (See Internal General Guidelines For Implementing the Consultation and Cooperation Agreement Provisions of Section 117 of the Nuclear Waste Policy Act of 1982.)

### 5.3 Phase II States or Tribes

The activities which may be funded by Phase II grants are specified in Sections 116(c)(1)(A) and 118(b)(1) of the Act. The grants shall be made "for the purpose of participating in activities required by Sections 116 and 117 or authorized by written agreement under Section 117(c)." This provision covers a broad range of activities which may be eligible for funding. Special consideration should be given to activities designed to achieve the goals of maximizing state or tribe involvement in the overall repository development program and enabling states and tribes to participate effectively in the development of binding written C&C agreements. Examples of permissible funding include the following activities:

Activities Leading to C&C Agreements -- DOE is required to begin negotiations on the C&C agreements within 60 days after (1) a candidate site has been approved for characterization by the President, or (2) receipt of a written request by a state or Indian tribe notified under Section 116(a) or an Indian tribe certified as "affected" by the Secretary of the Interior. A state or tribe may wish to gather information, develop draft provisions, and orient and train staff for the negotiation of C&C agreements.

Review and Comment -- The grantee should be responsible for reviewing and providing comment to DOE on the plans, reports, proposed rules, etc., which are relevant to repository development activities within the state or tribal area. Examples of such items include:

- o Review of guidelines and modifications thereto;
- o Environmental assessments;

- o Site Characterization Plan preparation material;
- o Geologic/hydrologic education reports;
- o Repository engineering reports;
- o Socioeconomic evaluation reports;

Public Information Function -- The grantee should disseminate information to groups within the state or tribe and respond to questions from individuals or groups within the state or tribal area. DOE may provide parallel services to the public and will coordinate public information activities with the grantee.

Coordination Activities -- The grantee should be responsible for coordinating with interested groups within the state or tribe. This might include other state agencies with an interest, the legislature, local governments and citizens groups. The grantee should assume responsibility for soliciting views of such groups and keeping them informed of state/tribe activities.

Analyses and Studies -- Phase II activities in this category should focus on the analyses and studies necessary to provide appropriate monitoring and evaluation of DOE activities. Examples of such monitoring include:

- o On-site monitoring of field activities.
- o Independent peer review of DOE procedures, analyses, and programs.
- o Participation in technical review of DOE programs.
- o Participation in development of DOE technical work plans.
- o Maintaining a technical data base for state/tribe use.
- o Participating in development and evaluation of socioeconomic/environmental plans and programs.
- o Planning and preparatory work necessary to establishing an information base for impact investigation studies.

## **6.0 REVIEW, NEGOTIATION AND FUNDING LEVELS**

The DOE project offices have the responsibility to review each grant application to determine whether it conforms to the DOE Financial Assistance Rules, the requirements and goals of the Act, and these general guidelines.

The project offices working through their respective field operations offices have the authority to negotiate with the grant applicant any changes required to make the grant application conform to the requirements referenced above and the funding available within the project. The project office should discuss these requirements with potential grant applicants as early as possible (where possible, prior to receiving a formal application) to keep delays to a minimum in meeting state and tribe financial needs.

The funding levels for various grants should represent a balance between the varying needs of the different states and tribes and the need for equity among the states and tribes. Communication between field offices and headquarters is essential in developing judgments on the relationship between a grantee's proposed activities and the level of support requested.

## **7.0 LIMITATIONS AND DISCONTINUATION OF FINANCIAL ASSISTANCE**

Because of the changing status of states and tribes relative to the geologic repository program under the Act (e.g., a state or tribe can move successively from the Phase I category to Phase IV or can be disqualified from further consideration), each grant should specify the conditions under which funding would be discontinued or amended.

Sections 116(c)(4) and 118(c)(5) specify criteria for termination of the grants under certain circumstances. However, these criteria refer primarily to termination of site characterization activities or formal disapproval of a site by the state or NRC. A number of sites will be dropped from consideration for a repository long before the termination conditions provided in the Act are reached. To assure that grants are phased out on an orderly basis, and recognizing that a state or tribe may have committed resources in anticipation of continuing through the repository development process, each grant should contain terms which specify how funding will be terminated. The following approach is suggested for sites that may be eliminated during Phase I or II:

Funding may be based on quarterly contingency payments. Funding would terminate either 90 or 180 days after it has been decided to eliminate a site from further



consideration. Generally, the 90 day period should be adequate to permit an orderly discontinuation of funded activities for states or tribes eliminated during Phase I and 180 days should be adequate for states or tribes eliminated during Phase II.

Beyond the guidance, requirements, and limitations in DOE's general Financial Assistance Rules, the Act specifies that no "ordinarily incurred salary or travel expense" is eligible for funding under sections 116(c)(1)(A) or 118(b)(1). This means that DOE may finance extra-ordinary travel and salary expenses incurred as a direct result of the provision of services to, or participation in, waste disposal activities of the DOE under the Act. Salary and travel-related expenses of state employees working full- or part-time on waste disposal activities, consultants and other providers of contract services are potentially fundable. However, only those salary and travel expenses incurred by the state or tribe which would not have otherwise been incurred but for passage of the Act may be considered extra-ordinary expenses. Merely because activities proposed by a state/tribe predate either the grant request or the passage of the NWPA does not in itself render such activities ineligible. Such pre-existing activities may be eligible if they are germane to the purposes of the Act and they (1) were established in anticipation of passage of the NWPA to prepare for participation in the repository selection program, or (2) will provide the state/tribe or DOE with new or substantially modified deliverables (e.g., reports, comments, reviews), or (3) represent a distinct increase in the level of the pre-existing activities, or (4) must be performed in order to carry out activities which are clearly eligible. Where doubts exist, the state or tribe should be asked to demonstrate the extra-ordinary nature of the expenses in question.

#### 8.0 COORDINATION OF GRANT REQUESTS AND AWARDS

The timely exchange of information between the project office and headquarters and among the project offices is necessary to ensure that timely policy guidance on various specific and general issues is available when needed, and that reasonable consistency and equity among states and tribes associated with different projects is maintained. To facilitate this exchange of information the headquarters staff will serve the role of an "information clearinghouse" for grant applications and awards.

The project offices should provide headquarters staff information copies of all grant requests as they are received. This should be followed up with informal status reports on negotiations as they proceed. During this process headquarters

staff will provide guidance to the project office as requested and information on how similar situations or requests have been or are being handled in other project offices. The project office should also provide to headquarters copies of all grant awards. This information will serve as the basis for: (1) a periodic summary report on the level and substance of grant activities under the Act, and (2) providing additional specific guidance.