

## DISTRIBUTION

WM s 3106

WMRP s/f

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REBrowning

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HJMiller

RRBoyle

RJWright

SCoplan

JLinehan

JKennedy

RJohnson &amp; r/f

PDR

MAR 6 1984

MEMORANDUM FOR: Malcolm R. Knapp, Chief  
Geotechnical Branch  
Division of Waste Management

John T. Greeves, Acting Chief  
Engineering Branch  
Division of Waste Management

WM Record File

106

WM Project 16

Docket No.

PDR ✓

LPDR ✓

FROM: John Linehan, Section Leader  
Repository Projects Branch  
Division of Waste Management

Distribution:

SUBJECT: SALT PROJECT

(Return to WM, 623-SS)

CZ

Enclosed are the schedules (Enclosure 1) for work in each of the technical areas agreed on by R. Johnson and you or your staff detailing products and tasks preceeding and including the reviews of the Draft Environmental Assessments (EA's) for salt. These schedules represent a mutually agreeable plan for preparing ourselves to be in a position to provide comment on the EA's to the Commission within five weeks of receipt of the EA's. While we recognize that the technical branches/sections need flexibility in performing the work outlined on these schedules, we would appreciate being informed as early as possible of any anticipated significant changes to these schedules. These schedules will be put into a clearer format and transmitted to you next week.

Also, attached for your information (Enclosure 2) is a recent letter I sent to J. Neff DOE/SRPO regarding pre-EA DOE/NRC interactions and establishment of NRC/DOE contacts in each technical area. To assist us in planning the interactions outlined in this letter please provide R. Johnson with preliminary dates for the planned data reviews/technical meetings for your technical area. In addition, please provide the name of an individual who will be the primary contact in your technical area for NRC interactions with DOE/Salt Repository Project Office (SRPO). R. Johnson will be available to assist your staff in developing the data inventories as well as determining what data is located at DOE/SRPO/ONWI in Columbus, Ohio. T. Verma will also be assisting us in setting up the data reviews/technical meetings and in determining what data is available and where it is located. He and R. Johnson will also assist in setting up any necessary conference calls with DOE/SRPO/ONWI staff.

In order to keep all members of the salt team up to date on salt activities and facilitate proper coordination/interaction between team members, status meetings for the team will be held weekly and will be strictly limited to one hour. R. Johnson and a salt team representative from each technical section

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PDR WASTE  
WM-16

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will be asked to give a brief five minute verbal summary of: 1) work completed during past week, 2) work planned for the upcoming week and 3) problems, concerns, questions, and suggestions. This is only a status meeting. To avoid tying up staff unnecessarily follow-up meetings to resolve any problems/issues will be scheduled for other times. These meetings should be attended by all technical staff working on the Salt Project. The first Salt Project Status Meeting will be held on Tuesday, March 6, 1984 at 2:30 p.m. in the 5th floor conference room.

While I have overall responsibility for the Salt Project and am the contact with DOE/Salt Repository Project Office (SRPO) for all correspondence, Robert L. Johnson, the Salt Project Manager (PM), will continue to manage the daily operation of the project as he has been doing and will be the primary project contact for members of the NRC salt project team. He is also the contact with DOE/SRPO for all verbal interactions.

**"ORIGINAL SIGNED BY"**

John Linehan, Section Leader  
Repository Projects Branch  
Division of Waste Management

Enclosures:

1. Salt Work Agreements
2. Letter from Linehan to Neff  
concerning Pre-EA DOE/NRC Interaction

cc: See attached list

*Enclosure 2 is Already In File*

OFC	:WRMP:mv <i>RM</i>	:WMP	:WMP	:	:	:	:
NAME	:RLJohnson	:JLLinehan	:HJMiller	:	:	:	:
DATE	:3/02/84	:03/11/84	:3/1/84	:	:	:	:

106/RJ/84/03/02/0

- 3 -

cc: H. Miller  
J. Bunting  
R. Johnson  
M. Logsdon  
D. Fehringer  
T. Verma  
R. Boyle  
J. Buckley  
B. Cooke  
W. Kelly  
P. Justus  
J. Starmer  
D. Mattson  
L. Peeters  
E. Regnier  
J. Rhoderick  
F. Ross  
M. Tokar  
E. Wick  
M. Wise

OFC	:WRMP:mv	:WMRP	:WMRP	:	:	:	:
NAME	:RLJohnson	:JJLinehan	:HJMiller	:	:	:	:
DATE	:3/02/84	:03/ /84	:3/ /84	:	:	:	:

# HYDROGEOLOGY

- working draft to RPB
- △ internal draft to RPB
- ▲ external draft to release to DOE/STC

Feb      Mar      Apr      May      June      July      Aug      Sept      Oct

1. Inventory of Documents and Data

4/1  
○      4/1  
△

2. Conceptual Models\*

Scenarios

4/1  
○

Conceptual models

4/1  
○  
5/1  
○

7/15  
△  
7/15  
△

3. Sensitivity Studies\*

Plan

4/1  
△  
1  
s

Results

8/1  
△

4. Issue Identification/  
Umbrella STP

4/15  
△ →

8/1  
▲

5. Data Reviews w/DOE

4/15  
4/15  
5/15  
4/15  
5/15  
4/15  
5/15

Technical Meetings

Key Document Reviews

6. Preliminary EA Comments

4/1  
4/1  
7/15  
8/1  
8/1

7. Draft EA comments

Draft comment letters

8/1  
8/15  
9/1  
9/1

Final comment letters

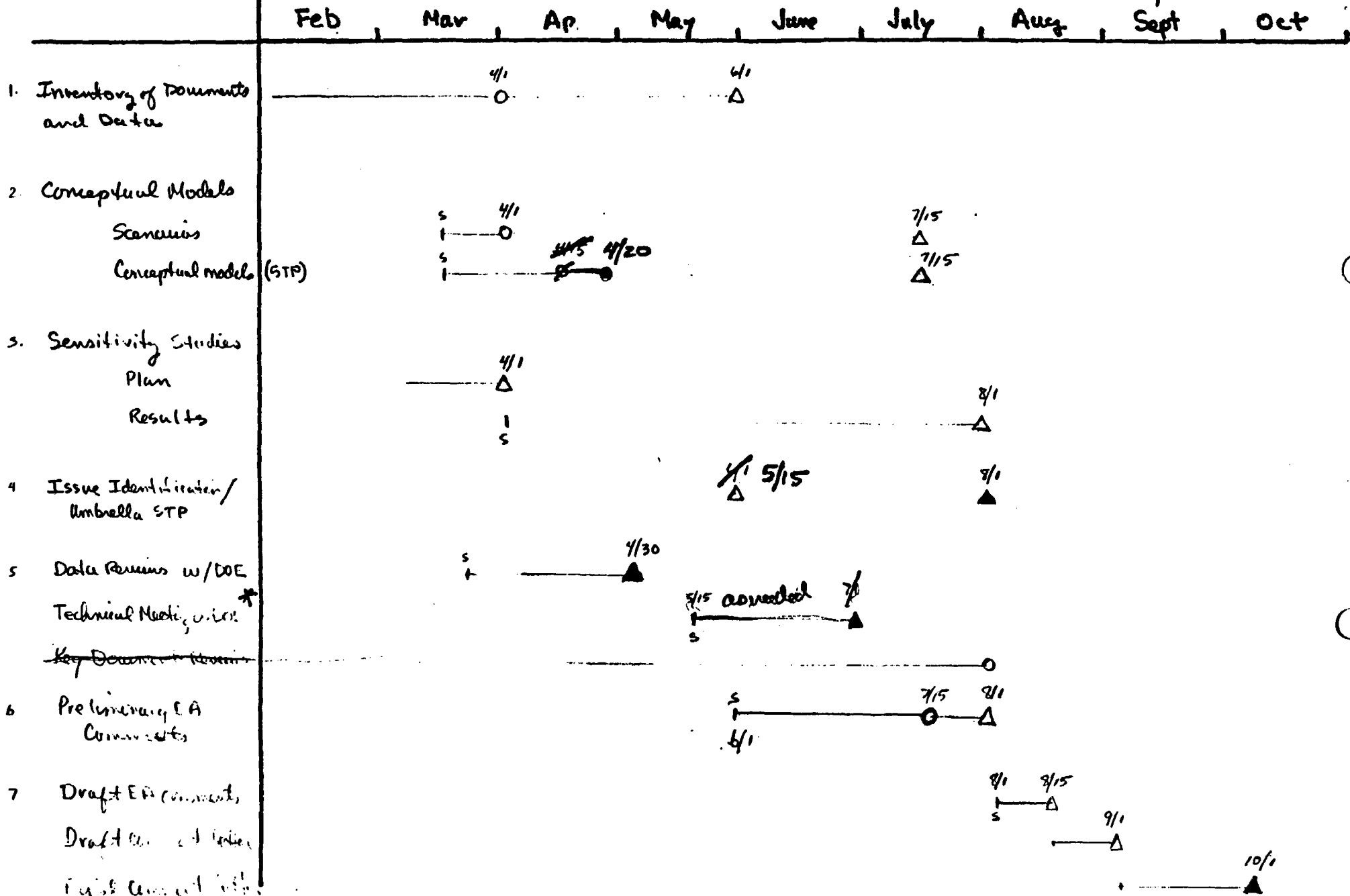
10/1  
▲

\* Scenarios, sensitivity studies will be provided to the extent that resources are available

Enclosure 1

# FACILITY DESIGN & ROCK MECHANICS

○ working draft to RPB  
 △ internal draft to RPB  
 ▲ external draft to release to DOE/SLG



\* Based on data reviews technical meetings may be planned as needed

# Geochemistry

2/16

O working draft to RPB  
 Δ internal draft for RPB  
 Δ external draft to release to DOD/State

Feb Mar Apr May June July Aug Sept Oct

Inventory of Documents and Data

4/1  
O  
4/1  
Δ

Conceptual Models

Scenarios

5  
1  
4/1  
O

Conceptual models

5  
1  
4/16  
O

7/15  
Δ  
7/15  
Δ

Sensitivity Studies

Memo/Plan

4/1  
Δ  
5/1  
Δ

7/1  
Δ

Issue Identification/  
Uncertainty STP

4/1  
Δ

7/1  
Δ

Data Review w/ DOE

5/15  
Δ

TBD as requested  
7/1  
Δ

Technical Meeting

5/15  
5/21  
Δ

Progress Report

7/15  
7/1  
O

Progress Report  
Comments

5/1  
7/15  
7/1  
Δ

Final Review

7/1  
7/15  
Δ

Final Review

9/1  
Δ

Final Review

10/1  
Δ

# Materials

O Working draft to RPB  
 Δ Internal draft to RPB  
 ▲ External draft to release to DOE/State

Feb      Mar      Apr      May      June      July      Aug      Sept      Oct

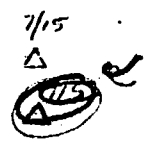
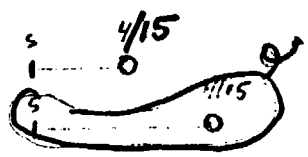
Inventory of Documents and Data

4/1  
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7/1  
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Conceptual Models

Scenarios

Conceptual models (STP)



Sensitivity Studies

Plan

Results



Issue Identification/  
Airborne STP

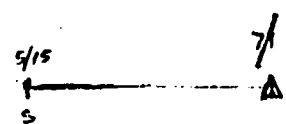
4/1  
Δ

7/1  
▲

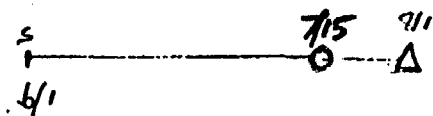
Data Reviews w/DOE

Technical Modeling

Key Documents

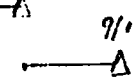
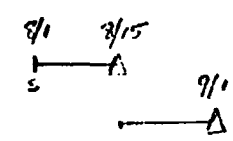


Preliminary EA  
Comments



Draft EA Comments

Final EA Comments



10/1  
A

# PERFORMANCE ASSESSMENT

○ working draft to RPB  
 △ internal draft to RPB  
 ▲ external draft to release to DOE/State

Feb Mar Apr May June July Aug Sept Oct

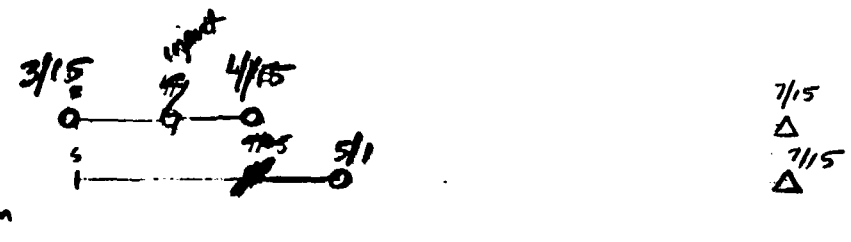
1. Inventory of Documents and Data



2. Conceptual Models

Scenarios strawman

Conceptual models (STP)  
 overall system integration



3. Sensitivity Studies

Plan

Results



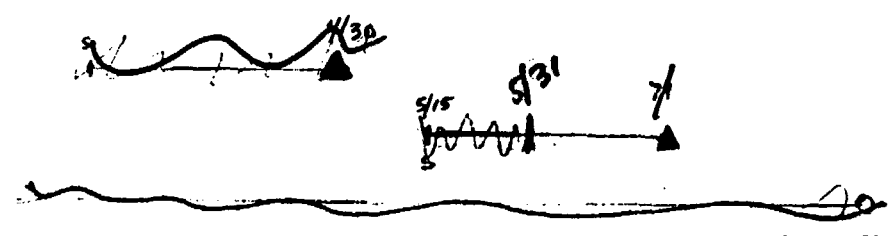
4. Issue Identification/  
 Umbrella STP



5. ~~Data Review w/ DOE~~

Technical Meeting

~~Key Document Review~~



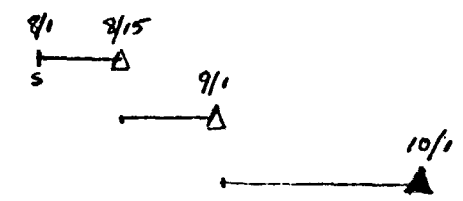
6. Preliminary EA Comments



7. Draft EA comments

Draft comment letter

Final comment letter





# GEOLOGY/ Geophysics

2/16

- ( O working draft to RPB
- ( Δ internal draft to RPB
- ( ▲ external draft to release to DOE/SLM

Feb Mar Apr May June July Aug Sept Oct

Inventory of Documents  
and Data



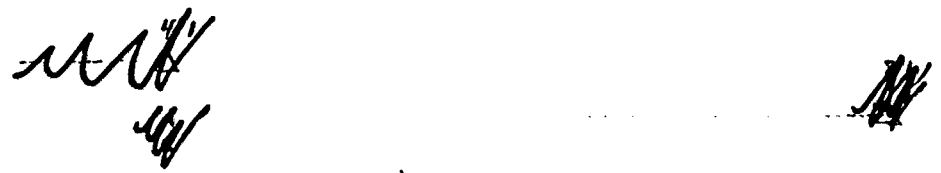
Conceptual Models

Scenarios

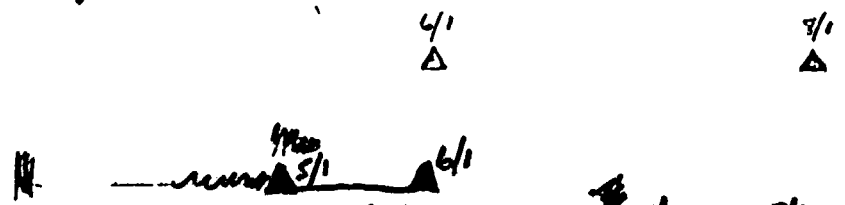
Conceptual models



Sensitivity Studies  
Plans  
Results



Issue Identification/  
Antenna STP (continued)

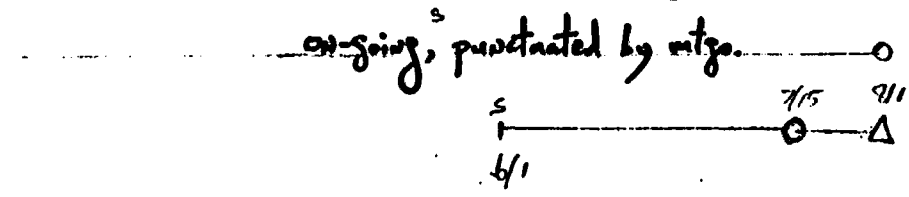


Data Review w/DOE

Technical Meeting

Key Document Analysis

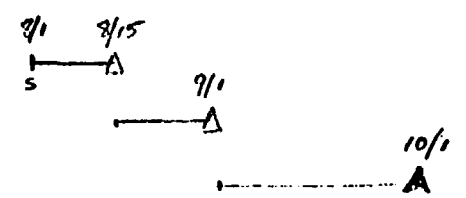
Preliminary  
Conclusions



Draft of Documents

Final Review

Final Approval



# ENVIRONMENT

- working draft to RPB
- △ internal draft to RPB
- ▲ external draft to release to public

Feb Mar Apr May June July Aug Sept Oct

1. Inventory of Documents and Dates

4/1 4/1

document R1, R2 R.  
2/22

~~2. Conceptual Models~~

~~Scenarios~~

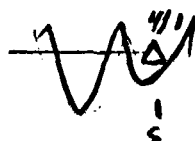
~~Conceptual models (S.M.)~~



~~3. Sensitivity Studies~~

~~Plan~~

~~Results~~



TBD



Identification of Major Known Concerns

1. Issue Identification/ Umbrella SFP

4/1

7/1

~~4. Data Review w/ DOE~~



~~Technical Meeting notes~~

~~Key Document Review~~



6. Preliminary EA Comments

4/1

7/15

8/1

7. Draft EA comments

Draft comment letter

Final comment letter

8/1

8/15

9/1

10/1