

Recd 5/15
JMM

NOTE TO: Phil
FROM: Charlie Head (Telecon - 5/10/85 - 5:15 p.m.)
SUBJECT: MINUTES OF MEETING (5/10/85)

Ralph Stein feels that the conclusions section of the meeting report is too weak and wishes to indicate some clear understanding that we came to. I explained to Ralph what I thought the conclusions were and he had a different impression than mine. As a test of what happened, Ralph requests that you rewrite the conclusions section, being as specific as possible about any conclusions reached by the attendees, i.e.,

Did we decide that full text was necessary or not?

Did we decide that DOE's approach is satisfactory or not?

Please telecopy your write-up to Ralph when it is complete. I'll see you in two weeks.

Charlie Head/bas

WM Record File

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WM Project 1

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Department of Energy
Headquarters/OCRWM

FROM: Ralph Stein
PHONE: 252-5355

DATE: 5-23-85

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TO: Phil Altomare
PHONE: 427-4590

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COMMENTS: _____

TO SEND TRANSMISSION: 252-9608

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Meeting Report

Purpose: This meeting was arranged to provide DOE and NRC with an opportunity to update one another their respective activities associated with development of information storage and retrieval systems to support licensing of a Geologic Repository.

Date: May 18, 1985

Washington, D.C.

Attendees: DOE

NRC

Ralph Stein
Bob Purple
Charles Head
Dick August
Colleen Ostrowski
Stan Echols

Bill Olmsted
Phil Altomare
Avi Bender
Reggie Brown
Maxine Dunkelman

Weston

Aerospace

Dave Siefken
Tim O'Donnell

Randi Lie
J. Woodford

SAI

Consultant

Bill MacNabb

John Jordan

Environmental Policy Institute

David Berick

Discussion:

1. Charles Head presented an overview briefing describing the concept of the licensing information system which DOE has developed (copies of vugraphs used are attached). The main parts of the system are as follows:
 - a. It would be a distributed system composed of complimentary data indices and archives at DOE-HQ and each of the four repository project offices.
 - b. It would consist of a computerized index of regulations, documents, issue and commitments, with a corresponding archive of document hard copies, microfiche, and physical records such as core borings, magnetic tapes, etc.

- c. The distributed indices would be addressable remotely using personal computers or equivalent terminals communicating over telephone lines with the computers that control the indices.
- d. All information collection, indexing, key wording, abstracting, storage and retrieval of hard copies would be done by document control staffs at the five DOE locations.
- e. All five DOE locations, the NRC, and others such as the States and Indian Tribes would be able to access the system, although the time and manner for access by non-DOE offices has not yet been defined.

DOE is in the final stages of developing the system specification and hopes to start system design and further implementation soon.

- 2. NRC, Phil Altmore and Avi Bender, gave a presentation which summarized concerns raised in the NRC/DOE meeting of February 8, 1985 and recommended approaches to previous unresolved information managers system issues (copies of viewgraphs are enclosed)

Major points raised by NRC during the presentation and following discussion are as follows:

- a. NRC's intention is to meet the Nuclear Waste Policy Act directive to review a high-level waste license application and reach a licensing decision within 3 years. To accomplish this, early identification and tracking issues and a good document management system will be required.
- b. NRC recommended that DOE include NRC, the States and Indian tribes as contributors as well as user of the documents management system they are developing.
- c. The relative merits of bibliographic and abstracts versus full text search were discussed several advantages of full text search were noted, both as regards satisfying hearing "discovery" requirements and the considerable advantage to management in ability to review a program progress and keep it on track.

- d. NRC personnel discussed the hearing process and the particular problems of discovery. Concern was expressed as to whether DOE was developing a system that would be able to meet the licensing requirements without delays this would affect a 3 years review timeframe.
 - e. DOE was questioned as to whether there would be consistency between the field officers and Headquarters in the documents management system, particularly as regards common indexing, abstracting, and descriptions for retrieving documents from the data base. DOE is planning consistent, compatible systems. NRC suggested that there be coordination between DOE, NRC, the States and Indian tribes in establishing a common indexing and description vocabulary.
3. During and after the presentations summarized above, numerous points concerning the collection, storage and retrieval of licensing information were discussed, including the following:
- a. During the discussion of the use of the licensing information system, Bill Olmsted provided several useful observations concerning the discovery process, including the following:
 - 1) If DOE establishes, and makes available to the public, a system that allows the public to access all program records, that act satisfies the requirements for discovery during the licensing process. However, if DOE employees, offices or contractors also keep separate files that are not sub-sets of the system made available to the public, then those systems are also subject to discovery.
 - 2) Any licensing information system that is capable of identifying and retrieving data in a timeframe that allows the licensing process to be completed in three years would be acceptable, whether it had full on-line text search and retrieval or was a simpler computerized abstract system such as DOE is considering. Several limitations of the computerized abstract approach were identified, including the potential that a user of the system would require several passes through the system to track down references and other related supporting documents.

- 3) A possible compromise approach might be to employ full on-line text search and retrieval for future records, and use the computerized abstract approach for the backlog of past records.
- b. David Berick made the following comments:
 - 1) He stated that the various sources of defense high-level waste should be included in the system since he considers that information concerning the nature and origin of the defense waste will be needed in the repository licensing process.

3) He noted that DOE is obligated under the Nuclear Waste Policy Act (Sec. 117(a)) to provide information to State governments and Indian Tribes within 30 days of receipt of the request. He noted that any licensing information system established by DOE should also be able to meet this requirement to preclude the need for a separate system.

Conclusion: DOE and NRC agreed that they must continue to coordinate their activities as the two agencies continue their licensing information system activities, with the intent of developing a system to serve both agencies. NRC agreed to continue to keep DOE informed of their pilot project activities and to involve DOE in the pilot project to the maximum extent practicable. Further, the system described by DOE will generally meet NRC's requirement and should be further developed, as planned. DOE should consider how it will meet discovery requirements and whether full text retrieval should be incorporated into the development.

DOE

NRC

PC Code: mtg.rpt
Mach C

MEETING REPORT

PURPOSE: THIS MEETING WAS ARRANGED TO PROVIDE DOE AND NRC WITH AN OPPORTUNITY TO UPDATE ONE ANOTHER ON THEIR RESPECTIVE ACTIVITIES ASSOCIATED WITH DEVELOPMENT OF INFORMATION STORAGE AND RETRIEVAL SYSTEMS TO SUPPORT LICENSING OF A GEOLOGIC REPOSITORY.

DATE: MAY 10, 1985

PLACE: DOE HEADQUARTERS
WASHINGTON, D.C.

ATTENDEES DOE

PAUL STEW
BOB PURPLE
CHARLES HEAT
DICK AUGUST
COLLEEN OSTROWSKI
STAN ECHOLS

WESTON

DAVE SIEFKEN
TIM O'DONNELL

SAI

BILL MACNABE

URS

BILL DUMSTED
PAUL ALTOMARRE
ALAN BENDER
PEGGIE BROWN
MAXINE DUNKELMAN

AEROSPACE

RANDI LIE
J. WOODFORD

CONSULTANT

JOHN JORDAN

DISCUSSION

1. CHARLES HEAD PRESENTED AN OVERVIEW BRIEFING DESCRIBING THE CONCEPT OF THE LICENSING INFORMATION SYSTEM WHICH DOE HAS DEVELOPED. THE MAIN PARTS OF THE SYSTEM ARE AS FOLLOWS:

- a. IT WOULD BE A DECENTRALIZED SYSTEM COMPOSED OF COMPLIMENTARY DATA INDICES AND ARCHIVES AT DOE-HQ AND EACH OF THE FOUR REPOSITORY PROJECT OFFICES.
- b. IT WOULD CONSIST OF A COMPUTERIZED INDEX OF REGULATIONS, DOCUMENTS, ISSUE AND COMMITMENTS, WITH A CORRESPONDING ARCHIVE OF

DOCUMENT HARD COPIES, MICROFILM,
AND PHYSICAL RECORDS SUCH AS
CORE BORINGS, MAGNETIC TAPES, ETC.

c. THE DECENTRALIZED INDICES
WOULD BE ADDRESSABLE REMOTELY
USING PERSONAL COMPUTERS OR
EQUIVALENT TERMINALS COMMUNICATING
OVER TELEPHONE LINES WITH
THE COMPUTERS THAT CONTROL THE
INDICES.

d. ALL INFORMATION COLLECTION,
INDEXING, KEY WORDING, ABSTRACTING,
STORAGE AND RETRIEVAL OF
HARD COPIES WOULD BE DONE BY
DOCUMENT CONTROL STAFFS AT
THE FIVE DOE LOCATIONS.

e. ALL FIVE DOE LOCATIONS, THE

DEC, AND OTHERS SUCH AS THE STATES AND INDIAN TRIBES WOULD BE ABLE TO ACCESS THE SYSTEM, ALTHOUGH THE TIME AND MANNER FOR ACCESS BY NON-DOE OFFICES HAS NOT YET BEEN DEFINED.

DOE IS IN THE FINAL STAGES OF DEVELOPING THE SYSTEM SPECIFICATION AND HOPES TO START FULL SYSTEM DESIGN AND FURTHER IMPLEMENTATION SOON.

The NRC, David L. Thomas and Avi Benster, gave a presentation which ~~so briefly~~ summarized concerns raised in the ~~present~~ NRC/DOE meeting of February 8, 1985 and recommended approaches to previous unresolved information management system issues. (Copies of viewgraphs are enclosed)

Major points raised by NRC during the presentation and following discussion are as follows:

- 1. ^{intention is} ~~intention is to meet the NRC's ability~~
• NRC ~~is attempting~~ ^{intention is} to meet the ~~NRC's~~ Nuclear Waste Policy Act directive to review a ~~high-level~~ waste license application and reach a licensing decision within 3 years. To accomplish this, ~~early identification of issues~~ ^{and tracking} and a good document management system will be required.
- NRC recommended that DOE give ~~consideration~~ ^{as well as} to including NRC, the States and Indian tribes as contributors ~~and users~~ of ~~the~~ the documents management system they are developing.

The ~~advantages~~ ^{benefits} of ~~field~~ ^{laboratory} ~~research~~ ^{research} were discussed ~~and~~ ^{and} ~~the~~ ^{several} ~~advantages~~ ^{advantages} of full text search, both ~~in~~ ^{with} regard to ~~the~~ ^{the} ~~having~~ ^{having} ~~discovery~~ ^{discovery} requirements and the considerable advantage ~~in~~ ⁱⁿ ability to review a program's progress and ~~to~~ ^{to} keep it on track.

- ~~But~~ ^{instead} ~~of~~ ^{of} ~~NRC~~ ^{personnel} ~~discussing~~ ^{discussing} the learning process and the particular problem of discovery. Concern was expressed as to whether the DOE ^{was developing a} ~~system~~ ^{being developed} ~~would~~ ^{the} be able to meet the ~~discovery~~ ^{discovery} requirements without ~~any~~ ^{any} delays that would affect a 3 year ~~time~~ ^{review} time frame.

- ^{DOE was} ~~A~~ ^{question} ~~was~~ ^{as to} whether there would be consistency between the Field Offices and Headquarters in the documents management system, particularly in regards common indexing, abstracting, and descriptors for ~~searchable~~ ^{retrieving} documents from the DOE base. DOE is planning consistency ~~between~~ ^{consistent, compatible} systems. NRC suggested that ~~they~~ ^{there} be coordination between DOE, NRC, the States and Indian tribes in establishing a common indexing and descriptor vocabulary.

• DAVID BEKAR MADE THE FOLLOWING COMMENTS:

1. HE STATED ~~THAT HE CONSIDERED~~ THAT THE VARIOUS SOURCES OF DEFENSE HIGH-LEVEL WASTE SHOULD BE INCLUDED IN THE SYSTEM
^{HE CONSIDERS THAT,} SINCE ~~INFORMATION~~ CONCERNING THE NATURE AND ORIGIN OF THE DEFENSE WASTE WILL BE NEEDED IN THE REPOSITORY LICENSING PROCESS.
2. HE COMMENTED THAT THE WEST VALLEY WASTE SHOULD BE COVERED BY THE SYSTEM.
3. HE NOTED THAT DOE IS OBLIGATED UNDER THE NUCLEAR WASTE

(Sec 17195)

POLICY NEED TO PROVIDE INFORMATION
TO STATE GOVERNMENTS AND
INDIAN TRIBES WITHIN 30 DAYS
OF RECEIPT OF THE REQUEST.

HE NOTED THAT ANY LICENSING
INFORMATION SYSTEM ESTABLISHED
BY DOE SHOULD ALSO BE ABLE
TO MEET THIS REQUIREMENT TO
PRECLUDE THE NEED FOR A
SEPARATE SYSTEM

o DURING THE DISCUSSION OF THE USE OF THE LICENSING INFORMATION SYSTEM, BILL DUMSTED PROVIDED SEVERAL USEFUL OBSERVATIONS CONCERNING THE DISCOVERY PROCESS, INCLUDING THE FOLLOWING:

a. IF DOE ESTABLISHES, AND MAKES AVAILABLE TO THE PUBLIC, A SYSTEM THAT ALLOWS THE PUBLIC TO ACCESS ALL PROGRAM RECORDS, THAT ACT SATISFIES THE REQUIREMENTS FOR DISCOVERY DURING THE LICENSING PROCESS. HOWEVER, IF DOE EMPLOYEES, OFFICES OR CONTRACTORS ALSO

KEEP SEPARATE FILES THAT ARE NOT SUB-SETS OF THE SYSTEM MADE AVAILABLE TO THE PUBLIC, THEN THOSE SYSTEMS ARE ALSO SUBJECT TO DISCOVERY.

b. WE QUESTIONED THE ADEQUACY ^{whether} OF A LICENSING INFORMATION SYSTEM THAT HAS ONLY KEY WORDS AND ABSTRACTS AVAILABLE FOR COMPUTERIZED SEARCH. THIS WAS DUE LARGELY TO CONCERNS THAT IT WILL TAKE A USER OF THE SYSTEM SEVERAL PASSES THROUGH THE SYSTEM TO TRACK DOWN REFERENCES AND OTHER RELATED SUPPORTING DOCUMENTS.

could response quickly enough to avoid impacting schedules.

CONCLUSION: DOE AND NRC AGREED
THAT THEY MUST CONTINUE TO
COORDINATE THEIR ACTIVITIES AS
THE TWO AGENCIES CONTINUE TO
DEVELOP THEIR LICENSING INFORMATION
SYSTEM ACTIVITIES, WITH THE
INTENT OF DEVELOPING A ~~SINGLE~~
SYSTEM TO SERVE BOTH AGENCIES.
NRC AGREED TO CONTINUE TO KEEP
DOE INFORMED OF THEIR PILOT
PROJECT ACTIVITIES AND TO INVOLVE
DOE IN THE PILOT PROJECT TO THE
MAXIMUM EXTENT PRACTICABLE.

DOE/NRC LICENSING INFORMATION SYSTEM MTG.
10 MAY 1985

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