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MEMORANDUM FOR: Michael J. Bell, Chief
 High-Level Waste Licensing
 Management Branch
 Division of Waste Management

FROM: Malcolm R. Knapp
 High-Level Waste Licensing
 Management Branch
 Division of Waste Management

SUBJECT: MEETING WITH DOE AND ROCKWELL HANFORD ON PERFORMANCE
 ASSESSMENT

On June 14, 1983 I met with representatives of DOE and Rockwell Hanford Operations to discuss Rockwell's responses to the performance assessment portion of NRC's Draft Site Characterization Analysis. A list of attendees is attached.

Commitments, Conclusions, and Agreements

Rockwell Hanford and NRC agreed that a workshop on performance assessment should take place in the near future, subject to approval by DOE. The following items were identified as high priority topics for the workshop:

1. The exact form of the EPA standard and DOE's plans for demonstrating compliance with it.
2. Confidence levels in preliminary groundwater travel time calculations.
3. Quantitative sensitivity studies to show the effects of uncertainty in key parameters.
4. Geochemical inputs to performance assessment models.
5. Release scenarios, their probabilities, and the processes used to arrive at them.
6. Discussion of the disturbed zone.

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Docket No. 10

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- 7. Use of performance assessment to guide testing of the geologic setting.
- 8. Validation, verification, and benchmarking of computer codes, especially those used to support the SCP, including specific types of benchmarking problems
- 9. The coupling of computer codes to produce systems models.

The following items were agreed to be important but were assigned a lower priority than those above:

- 1. Determination of the probabilities and consequences of natural changes which could affect groundwater flow.
- 2. Determination of the probabilities and consequences of human induced changes which could affect groundwater flow.
- 3. Determination of the probabilities and consequences of repository induced changes which could affect groundwater flow.
- 4. The coupling of geochemical models to transport models.
- 5. Description of the source term.

In addition to the above, over 150 specific comments in the DSCA and DOE's responses to these comments were discussed. Marked up copies of these comments are available in the Document Control Center.

ORIGINAL SIGNED BY

Malcolm R. Knapp
 High-Level Waste Licensing
 Management Branch
 Division of Waste Management

Enclosure:
As stated

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NAME	: MRKnapp: lmc	:	:	:	:	:	:
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ATTENDEES AT THE DOE/NRC
SITE CHARACTERIZATION ISSUE CLARIFICATION MEETING

June 13-16, 1983

NRC

M. R. Knapp
T. Verma

DOE

D. J. Squires

Rockwell Hanford Operations

R. Wilde
R. C. Arnett
P. M. Clifton
G. K. Jacobs
R. Baca