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JUN 25 1985

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NOTE TO: Jim Kennedy, WMRP
John Surmeier, WMPC
Mike Fliegel, WMGT
Phil Justus, WMGT
Ken Jackson, WMGT

FROM: Mysore Nataraja, WMEG

SUBJECT: REQUEST FOR SUPPORT AT THE JULY 18, 1985 MEETING WITH THE DOE

Enclosed is the background information for the scheduled meeting with the DOE on generic issues related to Exploratory Shaft Facility Design/Construction, Licensing Issues and the Exploratory Shaft Test Plans. The enclosure includes a listing of the estimated staff support required for this meeting. We request that you make the indicated staff members available for the planned meeting on July 18, 1985.

Original signed by

Mysore Nataraja, WMEG

Enclosure:
As stated

WM Record File

109.4

WM Project

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Docket No.

PDR

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Generic Meeting on ESF Design/Construction, Licensing Issues
and the Exploratory Shaft Test Plans

Date and Location of Meeting

July 18, 1985 - Washington, D. C.

Staff Participants in Meeting

Lead Staff

Mysore Nataraja, WMEG
Jim Kennedy, WMRP

Support Staff

<u>WMEG</u>	<u>WMRP</u>	<u>WMGT</u>	<u>WMPC</u>	<u>Consultants</u>
Dinesh Gupta	Maxine Dunkelman	John Trapp	Janet Lambert	Jaak Daemen
John Buckley	Dale Hedges	Buck Ibrahim		S. Bhattacharya, EI
Jerome Pearring		Neil Coleman		V. Rajaram, EI
David Tiktinsky		David Brooks		BOM's
Sher Bahadur				Kris Wahi
Banad Jagannath				

DOE

The names of DOE participants will be obtained by Jim Kennedy/Dinesh Gupta.

Topics for discussion:

- 1) The potential of site characterization activities to compromise the long-term isolation and containment capabilities of the repository.
- 2) The potential for the construction of the exploratory shaft to preclude the acquisition of adequate information needed for site characterization.
- 3) The methodology to be used for long-term seals.
- testing of long-term durability of seals
- 4) The effect of preclosure operational seals on long-term sealing capability.

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- 5) Exploratory shaft construction phase testing plan and rationale.
- 6) Rationale for selecting the location of the Exploratory shaft(s) and its inter-relationship with the in situ testing program and with the repository.
- 7) Rationale for deciding the extent of drifting; representativeness and applicability of ES testing to the characterization of the repository block and the relationship of the exploratory shaft to the conceptual design.
- 8) Quality Assurance

Content and Expected Date of Receipt of Documents for use at the Meeting

- 1) Report on DOE Agenda Items - June 28, 1985
- 2) Annotated Outline for the Exploratory Shaft Test Plan - ?

Documents to be Reviewed Prior to Meeting

- 1) Draft GTP on In-situ Testing During Site Characterization for High-level Waste Nuclear Waste Repositories, September 1984.
- 2) Draft GTP on Design Information Needs in the Site Characterization Plan, February 1985.
- 3) Draft GTP on Borehole and Shaft Sealing of High-level Waste Repositories, December 1983.
- 4) Draft GTP on Licensing Assessment Methodology for High-level Waste Geologic Repositories, July 1984.
- 5) Conceptual Design Documents, all sites
- 6) Exploratory Shaft Design Documents, all sites
- 7) In-situ Testing Plan Documents, all sites

Resources Estimates

Preparation for the meeting and attendance at the meeting		Follow-up
WMEG	- 8 staff days/person	1 staff day/person
WMGT	- 3 staff days/person	0.5 staff day/person
WMRP	- 2 staff days/person	0.5 staff day/person
WMPC	- 1 staff day/person	-
Consultants	- 3 staff days/person	1 staff day/person