



Department of Energy

Washington, DC 20585

AUG 29 1991

Mr. John J. Linehan, Acting Director
Repository Licensing and Quality
Assurance Project Directorate
Division of High-Level Waste Management
Office of Nuclear Material Safety
and Safeguards
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Dear Mr. Linehan:

This is to notify you that to date, twenty-eight (28) U.S. Department of Energy (DOE) Study Plans have already been transmitted to the U.S. Nuclear Regulatory Commission (NRC) by DOE, including all seventeen (17) of the top priority study plans for ongoing Yucca Mountain Site Characterization Project field activities. The NRC has completed a Phase I review on seven (7) of these 28 Study Plans.

In accordance with Attachment 4 of the Summary of the NRC/DOE Meeting (May 7-8, 1986) on the Level of Detail for Site Characterization Plans and Study Plans, the NRC agreed to notify DOE of any major comments or concerns within 90 days of receipt of Study Plans. Therefore, in reviewing the status of NRC review of the remaining Study Plans transmitted to NRC, we conclude that the following Study Plans are free of major NRC concerns, since no NRC comments or concerns have been received to date by DOE:

<u>Number</u>	<u>Title</u>
Study Plan 8.3.1.2.1.3	Characterization of the Yucca Mountain Regional Ground-Water Flow System (transmitted to NRC, February 15, 1991)
Study Plan 8.3.1.2.2.1	Characterization of the Unsaturated Zone Infiltration (transmitted to NRC, March 1, 1991)
Study Plan 8.3.1.2.2.2	Water Movement Tracer Test (ESF) (transmitted to NRC, February 9, 1989)

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Study Plan 8.3.1.2.2.3	Characterization of Percolation in the Unsaturated-Zone Surface Based Study (transmitted to NRC, May 10, 1991)
Study Plan 8.3.1.2.2.4	Characterization of Yucca Mountain Percolation- Unsaturated Zone (ESF) (transmitted to NRC, February 9, 1989)
Study Plan 8.3.1.2.3.1.1-6	Characterization of the Site Saturated-Zone Ground-Water Flow System (transmitted to NRC, March 7, 1991)
Study Plan 8.3.1.2.3.1.7	Reactive Tracer Experiments in the C-Wells (transmitted to NRC, April 6, 1990)
Study Plan 8.3.1.4.2.2	Characterization of Structural Features in the Site Area (ESF) (transmitted to NRC, February 9, 1989)
Study Plan 8.3.1.12.2.1	Meteorological Monitoring Plan (transmitted to NRC, May 16, 1991)
Study Plan 8.3.1.15.1.1	Laboratory Thermal Properties (transmitted to NRC, January 22, 1991)
Study Plan 8.3.1.15.1.2	Laboratory Thermal Expansion Testing (transmitted to NRC, October 4, 1990)
Study Plan 8.3.1.15.1.5	Excavation Investigations (ESF) (transmitted to NRC, February 9, 1989)
Study Plan 8.3.1.15.2.1	Site Ambient Stress (ESF) (transmitted to NRC, February 9, 1989)

Study Plan 8.3.1.17.4.6

Quaternary Faulting within the Site Area (transmitted to NRC, February 19, 1991)

Study Plan 8.3.1.17.4.10

Geodetic Leveling (transmitted to NRC, February 14, 1991)

Should you have any questions, please contact Sharon Skuchko of my office at (202) 586-4590.

Sincerely,

Linda J. Shelor
for

Dwight E. Shelor
Associate Director for
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Office of Civilian Radioactive
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cc:

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