

November 1, 2001

Asadul H. Chowdhury
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6220 Culebra Road P.O. Drawer 28510
San Antonio Texas 78228-5166

SUBJECT: REPOSITORY DESIGN AND THERMAL-MECHANICAL EFFECTS KEY
TECHNICAL ISSUE INTERMEDIATE MILESTONE NO.20-01402.671.160:
LETTER REPORT

Dear Dr. Chowdhury,

We have reviewed the Center's Letter Report entitled: "Human Reliability Analysis and Repository Preclosure Safety -- An Initial Evaluation," dated September 27, 2001. The report presents Center's evaluation of some basic concepts of human reliability, methodologies of human reliability analysis, and a summary of available guidance developed by the Nuclear Regulatory Commission on this topic. This background information is expected to be useful in the review of Department of Energy's preclosure safety analysis (PCSA) of the proposed geologic repository operations area at the Yucca Mountain site. At this time, we do not have any comments on this report. However, we would recommend that the author of this report, Dr Norman Eisenberg, be requested to meet with the staff and make a presentation to the Yucca Mountain Team in the near future. Based on such an interaction, we may provide appropriate feedback on the report and any recommendations for future work.

If you have any questions regarding this letter, you may contact me at (301) 415-6695 or via e-mail (msn1@nrc.gov). No written response to this letter is required and the subject report is considered to fulfill the Center's contractual obligations for this Intermediate Milestone. If there are comments on this report, or any recommendations for future work by other reviewers, I will forward them to you as and when they become available.

Sincerely,

/RA/

Mysore Nataraja,
Program Element Manager

November 1, 2001

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Sincerely,
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Mysore Nataraja,
Program Element Manager

Ticket Number: CNWRA 200100153

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