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November 15, 2001
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U.S. Nuclear Regulatory Commission
ATTN: Mrs. Deborah A. DeMarco
Two White Flint North
11545 Rockville Pike
Mail Stop T8 A23
Washington, DC 20555

Subject: Programmatic review of an abstract

Dear Mrs. DeMarco:

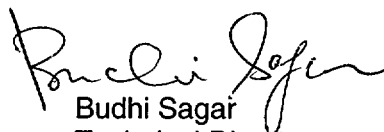
The enclosed abstract is being submitted for programmatic review. The abstract will be submitted for presentation at the Annual meeting of the American Ceramic Society, to be held April 28–May 1, 2002, in St. Louis, Missouri. The title of this abstract is:

“Role of Performance Confirmation in the Licensing of a Yucca Mountain Repository” by V. Jain, S. Brossia, D. Dunn, and O. Moghissi.

This presentation is a result of the activities conducted in FY2001 and FY2002 under task 01402.571 to evaluate possible methods to monitor waste package performance and develop tools and criteria to examine DOE’s performance confirmation plan.

Please advise me of the results of your programmatic review. Your cooperation in this matter is appreciated.

Sincerely,


Budhi Sagar
Technical Director

Enclosure

VJ:jg

cc:	J. Linehan	K. Stablein	T. Ahn	A. Henry	S. Brossia
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ROLE OF PERFORMANCE CONFIRMATION IN THE
LICENSING OF A YUCCA MOUNTAIN REPOSITORY,
V. Jain, S. Brossia, D. Dunn and O. Moghissi, Center for
Nuclear Waste Regulatory Analyses, Southwest Research
Institute, San Antonio, TX 78238

10 CFR Part 63 prescribes the regulations governing the licensing of a Yucca Mountain repository for high-level radioactive wastes. Subpart F of 10 CFR Part 63 details the requirements for performance confirmation (PC). In addition to the general PC requirements in 10 CFR Part 63.134, U.S. Department of Energy (DOE) is specifically required to establish a plan for monitoring and testing of waste packages (WP) including evaluations of internal components in the repository environment. To assist the U.S. Nuclear Regulatory Commission (NRC) in the review of the DOE's PC plans, we have initiated a test program to evaluate applicability and performance of sensors that can be utilized for monitoring corrosion processes associated with WPs. The results of the test program will be presented.

This abstract is an independent product of the Center for Nuclear Waste Regulatory Analyses and does not necessarily reflect the views or regulatory position of the NRC.