



UNITED STATES  
**NUCLEAR REGULATORY COMMISSION**  
 WASHINGTON, D.C. 20555-0001

December 28, 1994

Mr. Ronald Milner, Associate Director  
 Office of Program Management  
 and Integration  
 Office of Civilian Radioactive  
 Waste Management  
 U.S. Department of Energy, RW 30  
 1000 Independence Avenue SW  
 Washington, D.C. 20585

**SUBJECT: SUMMARY OF THE TECHNICAL EXCHANGE ON SUBSTANTIALLY COMPLETE  
 CONTAINMENT AND WASTE PACKAGE DESIGN, DECEMBER 7, 1994.**

Dear Mr. Milner:

The purpose of this letter is to transmit the summary for the December 7, 1994, U.S. Nuclear Regulatory Commission/U.S. Department of Energy (DOE) technical exchange on Substantially Complete Containment (SCC) and Waste Package Design. The technical exchange was also attended by representatives of the State of Nevada and Nye County, Nevada. The purpose of the technical exchange was to discuss DOE's plans for demonstrating compliance with the SCC requirement and for waste package design and NRC's waste package testing effort.

Presentations by Hugh Benton, R. Daniel McCright, and David Stahl discussed various aspects of DOE's waste package design and containment barrier performance assessment. Then David Stahl discussed DOE's new approach to demonstrating compliance with the SCC requirement. During Dr. Stahl's presentation, Michael Bell and his staff presented several questions and comments that NRC had concerning DOE's new approach to SCC. Following Dr. Stahl's presentation, Prasad Nair and Narasi Sridhar discussed the technical assistance and research efforts of the Center for Nuclear Waste Regulatory Analyses (CNWRA) related to SCC and waste package design. In addition to commenting and discussing during the presentations, the participants took part in discussions during the closing remarks session. There was free exchange of information on DOE's approach to complying with the SCC requirement, DOE's waste package design program, and CNWRA's technical assistance and research activities related to SCC and waste package design. A brief summary of the technical exchange meeting is enclosed.

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If you have any questions regarding this letter, or the technical exchange summary, please contact David Dancer of my staff at (301) 415 6653.

Sincerely,

Michael J. Bell, Chief  
Engineering and Geosciences Branch  
Division of Waste Management  
Office of Nuclear Material Safety  
and Safeguards

Enclosure: As stated

- cc: R. Loux, State of Nevada
- J. Meder, Nevada Legislative Counsel Bureau
- R. Nelson, YMPO
- C. Einberg, DOE/Wash, DC
- M. Murphy, Nye County, NV
- M. Baughman, Lincoln County, NV
- D. Bechtel, Clark County, NV
- D. Weigel, GAO
- P. Niedzielski-Eichner, Nye County, NV
- B. Mettam, Inyo County, CA
- V. Poe, Mineral County, NV
- W. Cameron, White Pine County, NV
- R. Williams, Lander County, NV
- L. Fiorenzi, Eureka County, NV
- J. Hoffman, Esmeralda County, NV
- C. Schank, Churchill County, NV
- L. Bradshaw, Nye County, NV
- W. Barnard, NWTRB
- R. Holden, NCAI
- E. Lowery, NIEC
- S. Brocoum, YMPO
- R. Arnold, Pahrump, NV

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