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YUCCA MOUNTAIN – REQUEST FOR ADDITIONAL INFORMATION – VOLUME 2, CHAPTER 2.1.1.4, SET 2 (DEPARTMENT OF ENERGY'S SAFETY ANALYSIS REPORT SECTION 1.7) – Identification of Event Sequences

Reference: Ltr, Jacobs to Williams, dtd 06/03/09, "Yucca Mountain - Request For Additional Information – Volume 2, Chapter 2.1.1.4, Set 2 & Set 3 (Department of Energy's Safety Analysis Report Section 1.7)"

The purpose of this letter is to transmit two (2) U.S. Department of Energy (DOE) responses to Request for Additional Information (RAI) Numbers 7 and 8 of Set 2 of the above-referenced letter. This set pertains to passive structure, system and component reliability. DOE has previously responded to RAI Number 1 of this set on June 9, 2009, RAI Number 5 on July 7, 2009, and RAI Numbers 9, 10, 12 and 13 on July 14, 2009. DOE expects to submit the remaining RAIs on or before August 21, 2009.

Each RAI response is provided as a separate enclosure. The references cited in the responses, which have not been previously provided to the U.S. Nuclear Regulatory Commission, will be sent under separate cover.

There are no commitments in the enclosed RAI response. If you have any questions regarding this letter, please contact me at (202) 586-9620, or by email to jeff.williams@rw.doe.gov.

Jeffrey R. Williams, Supervisor
Licensing Interactions Branch
Regulatory Affairs Division
Office of Technical Management

OTM: SEG-0899

Enclosures (2):
Responses to RAI, Volume 2, Chapter 2.1.1.4, Second Set, Numbers 7 and 8

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